10/091,885

```
File 348:EUROPEAN PATENTS 1978-2006/ 200632
        (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060810,UT=20060803
        (c) 2006 WIPO/Univentio
File 350:Derwent WPIX 1963-2006/UD=200651
        (c) 2006 The Thomson Corporation
File 324:German Patents Fulltext 1967-200631
        (c) 2006 Univentio

Set      Items    Description
S1      536907    IDENTIFIER? ? OR ID OR IDS
S2        8240    FID OR FIDS
S3       82871    S1:S2(5N)(EMBED? OR IMBED? OR ENCOD???? ? OR INCOD???? ? OR
                  INCORPORAT? OR COMBIN??? ? OR COMBINATION OR INCLUD? OR INCL-
                  US?)
S4       80575    S1:S2(5N)(CONCATENAT? OR INTEGRAL? OR INTEGRAT? OR CONSTIT-
                  UT? OR SUBSUM? OR COMPRIS? OR ENCOMPASS? OR CONTAIN??? ? OR C-
                  OMPOSITE? ?)
S5        6999    S1:S2(5N)(COMPOSING OR COMPOSE? ? OR APPEND? ? OR APPENDED
                  OR APPENDING)
S6       17439    S1:S2(5N)(ATTACH??? ? OR LINK??? ?)
S7       11177    S1:S2(5N)PART
S8     5095363    ATTRIBUTE OR ATTRIBUTES OR SIZE OR CHARACTERISTIC? ? OR PA-
                  RAMET??? ? OR FEATURE OR FEATURES OR PROPERTY? OR PROPERTIES -
                  OR TRAIT? ?
S9      386825    CLASSIFICATION? ? OR (OCCURR????? ? OR OCCUR????? ?)(2N)(F-
                  REQUEN? OR NUMBER OR OFTEN)
S10     973552    DOCUMENT? ? OR FILE OR FILES OR COMPUTERFILE? OR TEXTFILE?
                  OR IMAGEFILE? OR DATAFILE? OR SOUNDFILE? OR MEDIAFILE? OR SON-
                  GFILE?
S11    1902122    AUDIOFILE? OR AVFILE? OR VIDEOFILE? OR MUSICFILE? OR VIDEO-
                  CLIP? OR MOVIECLIP? OR VIDEO? ? OR FILM? ? OR MOVIE? ? OR FIL-
                  MSTRIP?
S12      31288    MOTIONPICTURE? OR (MOTION OR MOVING)()PICTURE? ?
S13     248113    (S8:S9 OR DATE)(5N)S10:S12
S14      98235    S1:S2(5N)(COMPRIS??? ? OR INCLUD??? ?)
S15      73219    (OCCURR????? ? OR OCCUR????? ?)(2N)(FREQUEN???? ? OR NUMBER
                  OR OFTEN)
S16       1268    S15(5N)S10:S12
S17       8929    (S3:S7 OR S14)(5N)(S8:S9 OR S15 OR DATE)
S18        539    (S13 OR S16)(25N)S17
S19      45025    IC='G06F-007'
S20      72614    IC='G06F-017/30'
S21         10    S18 AND S19
S22        117    S18 AND S20
S23      14099    MC='T01-J05B3'
S24      19437    MC='T01-J05B4P'
S25       1379    MC='T01-J11D'
S26       5884    MC='T01-N03A2'
S27         13    S18 AND S23:S26
S28         22    S21 OR S27
S29         10    S28 AND AC=US/PR AND AY=(1963:2002)/PR
S30         11    S28 AND AC=US AND AY=1963:2002
S31         11    S28 AND AC=US AND AY=(1963:2002)/PR
S32          8    S28 AND PY=1963:2002
S33         14    S29:S32
S42         42    S38:S41
S43     137225    S10:S12(5N)(SEARCH? OR RETRIEV? OR SORT??? ? OR QUERY? OR -
                  QUERIE? ? OR IR OR HARVEST? OR ACCESS?? ? OR ACCESSING OR MIN-
                  E? ? OR MINING)
S44      14117    S10:S12(5N)(DATAMIN? OR FETCH? OR ACQUIR? OR ACQUISITION? -
                  OR TEXTSEARCH?)
S45         79    S18(50N)S43:S44
S46         38    S45 AND AC=US/PR AND AY=(1963:2002)/PR
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S47        39     S45 AND AC=US AND AY=1963:2002
S48        39     S45 AND AC=US AND AY=(1963:2002)/PR
S49        41     S45 AND PY=1963:2002
S50        45     S46:S49 NOT S28
S51    690522     COLUMN?? ?
S52    471276     KEY? ?
S53      8530     S51:S52(25N)(S3:S7 OR S14)
S54       743     S53(25N)S17
S55        15     S54(25N)S43:S44
S56         8     S55 NOT (S28 OR S45)
S57        17     S54(50N)S43:S44
S58         2     S57 NOT (S28 OR S45 OR S55)
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DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0013276433  - Drawing available
WPI ACC NO: 2003-362534/200334
XRPX Acc No: N2003-289565
**Distributed database management system for computer system, retrieves portion of data files for graphic reproduction at user platform by selectively executing application modules of host platform**
Patent Assignee: EIKENBERY S A  (EIKE-I); IDEAL SCANNERS & SYSTEMS INC
  (IDEA-N)
Inventor: EIKENBERY S A
**Patent Family** (2 patents,  1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 20030028538 | A1 | 20030206 | US 2001308572 | P | 20010731 | 200334 | B |
| | | | US 2002207237 | A | 20020730 | | |
| US 7016901 | B2 | 20060321 | US 2002207237 | A | 20020730 | 200621 | E |

Priority Applications (no., kind, date): US 2001308572  P  20010731; US
  2002207237  A  20020730

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 20030028538 | A1 | EN | 20 | 10 | Related to Provisional  US 2001308572 |

  Alerting Abstract US A1
  NOVELTY - A host platform controls the access to data files stored in a
storage unit. A file record corresponding to each data file is generated,
based on a preselected set of configurational parameters. The application
modules of host platform are selectively executed in response to user
platform actuation, to retrieve a portion of the data files for graphic
reproduction at an user platform.
  DESCRIPTION - An INDEPENDENT CLAIM is also included for method of
managing distributed database.
  USE - For computer system.
  ADVANTAGE - The system enables the user to perform streamlined browsing
and view graphically rendered data files of a distributed database without
entirely downloading the file. Enables sufficient control at a host site
for a system administrator to monitor and configure both nature and scope
of a particular user's access to a distributed database.
  DESCRIPTION OF DRAWINGS - The figure shows a schematic view of the
distributed database management system.

Title Terms/Index Terms/Additional Words: DISTRIBUTE; DATABASE; MANAGEMENT;
  SYSTEM; COMPUTER; RETRIEVAL; PORTION; DATA; FILE; GRAPHIC; REPRODUCE;
  USER; PLATFORM; SELECT; EXECUTE; APPLY; MODULE; HOST

**Class Codes**
International Classification (Main):  G06F-007/00
International Classification (+ Attributes)
IPC + Level Value Position Status Version
  G06F-0017/30  A  I  F  B  20060101

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B4A; T01-J05B4M

200334

**Class Codes**
International Classification (Main):  G06F-007/00

Original Publication Data by Authority

Claims:
...maintaining a system index table containing for each said electronic
data file at least one **file** record of identifying **attributes**
corresponding thereto, said **attributes** **including** an alphanumeric
**document** **identifier** , a document sheet indicator, and a document revision
indicator, said host platform being operable to...


33/69,K/8      (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0012853914  - Drawing available
WPI ACC NO: 2002-712615/
XRPX Acc No: N2002-562144
Document management system provides property data of document association
object to recognize particular relation that links reference source
document section to referenced-material document section
Patent Assignee: ICHIHARA M  (ICHI-I); RICOH KK  (RICO)
Inventor: ICHIHARA M
Patent Family (2 patents,  2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 20020120612 | A1 | 20020829 | US 200279422 | A | 20020222 | 200277 | B |
| JP 2002259414 | A | 20020913 | JP 200154776 | A | 20010228 | 200277 | E |

Priority Applications (no., kind, date): JP 200154776  A  20010228

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 20020120612 | A1 | EN | 18 | 8 | |
| JP 2002259414 | A | JA | 7 | | |

  **Alerting Abstract** US A1
  NOVELTY - A management unit generates property data with identifiers to
indicate a section of the reference source and referenced-material
documents, of a document association object. The management unit provides
the property data to recognize a particular relation that links the
reference source document section to the referenced-material document
section.
  DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

  1.Document management method; and

  2.Computer readable storage medium storing document managing program.

  USE - For managing documents registered in database.
  ADVANTAGE - Since the property data of the document association object is
provided to recognize a particular relation that links the reference source
document section to the referenced-material document section, the
efficiency of the document management process is improved.
  DESCRIPTION OF DRAWINGS - The figure shows the flowchart explaining the
document association management procedure.

Title Terms/Index Terms/Additional Words: DOCUMENT; MANAGEMENT; SYSTEM;
  PROPERTIES; DATA; ASSOCIATE; OBJECT; RECOGNISE; RELATED; LINK; REFERENCE;
  SOURCE; SECTION; MATERIAL

Class Codes
International Classification (Main): G06F-017/30,  G06F-007/00

File Segment: EPI;

DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2;  T01-J05B4P ; T01-S03

**Class Codes**
...International Classification (Main):  G06F-007/00
...Manual Codes (EPI/S-X):  T01-J05B4P

**Original Publication Data by Authority**


**Original Abstracts:**
...reference-source document to a referenced-material document in the
database. A management unit generates property data of the document
association object, the property data including a first identifier
indicating a section of the reference-source document and a second
identifier indicating a section of the referenced-material document ,
wherein the property data is provided to recognize a particular relation
that links the reference-source document section...
**Claims:**
...source document to a referenced-material document in the database; and a
management unit generating property data of the document association
object, the property data including a first identifier indicating a
section of the reference-source document and a second identifier indicating
a section of the referenced-material document , wherein the property
data of the document association object is provided to recognize a
particular relation that links the reference-source document...


   33/69,K/9      (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0011140230   - Drawing available
WPI ACC NO: 2002-077020/
XRPX ACC No: N2002-056848
**Computer implemented document classification information storage method
in Internet, involves determining and combining binary identifiers for
each classification of document received from user**
Patent Assignee: NUA LTD  (NUAN-N)
Inventor: HOLMES T; LACHTNAIN A O; MCGOVERN G; OLEARY G; REA A; SEALY P
**Patent Family (2 patents,  25 countries)**

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| EP 1160683 | A2 | 20011205 | EP 2000203095 | A | 20000907 | 200211 | B |
| IE 81854 | B3 | 20010808 | IE 2000407 | A | 20000524 | 200211 | E |

Priority Applications (no., kind, date): IE 2000407   A  20000524

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| EP 1160683 | A2 | EN | 26 | 10 | |

Regional Designated States,Original:  AL AT BE CH CY DE DK ES FI FR GB GR
   IE IT LI LT LU LV MC MK NL PT RO SE SI

| IE 81854 | B3 | EN | | | |

   Alerting Abstract EP A2
   NOVELTY - A binary identifier is determined for each classification of a
document received from a user. The determined identifiers are combined to
produce a combined binary identifier which is stored in a database in
association with the document.
   DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

   1.Computer readable medium that stores the document classification
      information storage program;

2.Computer implemented document searching method;

3.Computer readable medium that stores the document searching program

USE - For storing document classification information in server connected to Internet, LAN or WAN.
ADVANTAGE - Since a binary identifier is determined for each classification of the document, a desired document is searched efficiently in a short time.
DESCRIPTION OF DRAWINGS - The figure shows the flowchart explaining document searching process.

Title Terms/Index Terms/Additional Words: COMPUTER; IMPLEMENT; DOCUMENT; CLASSIFY; INFORMATION; STORAGE; METHOD; DETERMINE; COMBINATION; BINARY; IDENTIFY; RECEIVE; USER

**Class Codes**
International Classification (Main): G06F-017/30
 (Additional/Secondary): G06F-017/21

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2; T01-J05B4P ; T01-N02A3C; T01-N03A2 ; T01-S03...
Computer implemented document classification information storage method in Internet, involves determining and combining binary identifiers for each classification of document received from user

**Class Codes**
...Manual Codes (EPI/S-X): T01-J05B4P ...

... T01-N03A2

**Original Publication Data by Authority**

Original Abstracts:
...linked in a hierarchical structure (140,142,144,146), including the steps of obtaining the classifications for a document for a first category; determining a binary identifier for the document for each of the obtained classifications in the first category, combining the determined binary identifiers to produce a combined binary identifier , and storing the combined binary identifier in a datastore in association with the document. The invention further provides for a computer...
Claims:
...linked in a hierarchical structure (140,142,144,146), comprising the steps of: obtaining the classifications for a document for a first category; determining a binary identifier for the document for each of the obtained classifications in the first category, combining the determined binary identifiers to produce a combined binary identifier , and storing the combined binary identifier in a first datastore in association with the document.

33/69,K/10      (Item 7 from file: 350)

0010833574  - Drawing available
WPI ACC NO: 2001-451198/
XRPX ACC No: N2001-334095
Document managing method involves creating and storing document profile and generating unique identifier having portion including attribute descriptive information and portion including automatically generated number

Patent Assignee: BENDIK M M  (BEND-I)
Inventor: BENDIK M M
**Patent Family** (4 patents,  92 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| WO 2001014984 | A1 | 20010301 | WO 2000US22646 | A | 20000818 | 200148 | B |
| AU 200067834 | A | 20010319 | AU 200067834 | A | 20000818 | 200148 | E |
| US 20020002563 | A1 | 20020103 | US 1999378785 | A | 19990823 | 200207 | E |
| US 20020046224 | A1 | 20020418 | US 1999378785 | A | 19990823 | 200228 | E |
| | | | US 200127879 | A | 20011221 | | |

Priority Applications (no., kind, date): US 200127879  A  20011221; US
    1999378785  A  19990823

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| WO 2001014984 | A1 | EN | 76 | 9 | |

National Designated States,Original:  AE AG AL AM AT AU AZ BA BB BG BR BY
    BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN
    IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
    PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Regional Designated States,Original:  AT BE CH CY DE DK EA ES FI FR GB GH
    GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

| | | | |
|---|---|---|---|
| AU 200067834 | A | EN | Based on OPI patent   WO 2001014984 |
| US 20020046224 | A1 | EN | Continuation of application  US 1999378785 |

**Alerting Abstract** WO A1
NOVELTY - **Document** profile including fields of **attributes** of the
**document** is created and stored and an unique identifier is generated for
the document. Unique **identifier** is equipped with a portion **including**
information describing the **attribute** of the **document** and a portion
including an automatically generated number.
DESCRIPTION - An INDEPENDENT CLAIM is also included for the computer
implemented document management system.
USE - In computer network.
ADVANTAGE - Does not need to perform length searches in large database
and enables to create e-mail without having to exit the document management
system and switch to e-mail program. Facilitates access to information
through a browser without additional hardware or software. Simplifies
hardware requirements and ensures compliance with company policy and
consistent formatting in generating documents. Allows linking of document
profile with other types of documents or files. Passes the unique document
identifier, title and author to the external application automatically and
allows 32 bit applications to be integrated into the system.
DESCRIPTION OF DRAWINGS - The figure illustrates the structure of the
document management system.

Title Terms/Index Terms/Additional Words: DOCUMENT; MANAGE; METHOD; STORAGE
    ; PROFILE; GENERATE; UNIQUE; IDENTIFY; PORTION; ATTRIBUTE; DESCRIBE;
    INFORMATION; AUTOMATIC; NUMBER

**Class Codes**
International Classification (Main): G06F-015/00

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-H07C1; T01-H07C5E; T01-J05A2; T01-J05B2;
    T01-J05B3 ; T01-J11D ; T01-J12B...
    ...NOVELTY - **Document** profile including fields of **attributes** of the
    **document** is created and stored and an unique identifier is generated for
the document. Unique **identifier** is equipped with a portion **including**
information describing the **attribute** of the **document** and a portion
including an automatically generated number.

Class Codes
...Manual Codes (EPI/S-X):  T01-J05B3 ...

... T01-J11D


 33/69,K/12      (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0010775420  - Drawing available
WPI ACC NO: 2001-389997/
XRPX Acc No: N2001-286914
System for concatenating documents from multiple sources, which do not
share common format or unique  identifier  for each  attribute ;
concatenates   document  with requested data entry with other  documents
having same  attribute  and ID
Patent Assignee: MEDICAL DATA SERVICES GMBH  (MEDI-N)
Inventor: ELFERING I; RESCHKE J
Patent Family (1 patents,  20 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| WO 2001040991 | A1 | 20010607 | WO 2000EP11797 | A | 20001124 | 200141 | B |

Priority Applications (no., kind, date): GB 199928209  A  19991129

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| WO 2001040991 | A1 | EN | 16 | 2 | |

National Designated States,Original:  US
Regional Designated States,Original:  AT BE CH CY DE DK ES FI FR GB GR IE
   IT LU MC NL PT SE TR

   Alerting Abstract WO A1
   NOVELTY - The system determines whether an  attribute  shares a common
identifier  with the documents to  concatenate  it with other  documents
based on the selected  attribute  and identifier. Otherwise, the  document
is marked as being parked on the database, and requests additional
information regarding the attribute from the data provider, which are then
entered in the attribute marked parked. The document based on the requested
data are concatenated with other documents having the same attribute and
the same unique identifier.
   DESCRIPTION - An INDEPENDENT CLAIM is included for:

   1.a method for creating a computer based system for concatenating
      documents multiple sources, which do not share a common format or
      unique identifier

   USE - For data collections derived from diverse sources and where the
documents or data from multiple independent sources are linked up or
cross-linked, based on a selected criteria, such as data owner, data
generator, or relationship of the data to a particular characteristic.
   ADVANTAGE - Stores documents, which relate to each other and concatenate
them, based on one or more selected criteria. Builds a learning system
where contexts and knowledge are being enhanced continuously allowing to
operate in a more and more automated way.
   DESCRIPTION OF DRAWINGS - The drawing shows a flowchart of how documents
are stored and linked to documents in a database.

Title Terms/Index Terms/Additional Words: SYSTEM; DOCUMENT; MULTIPLE;
   SOURCE; SHARE; COMMON; FORMAT; UNIQUE; IDENTIFY; ATTRIBUTE; REQUEST; DATA
   ; ENTER; ID

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2; T01-J05B4P ; T01-J06A1; T01-J16C2...
System for concatenating documents from multiple sources, which do not
share common format or unique identifier for each attribute ;
concatenates document with requested data entry with other documents
having same attribute and ID
       ...NOVELTY - The system determines whether an attribute shares a
common identifier with the documents to concatenate it with other
documents based on the selected attribute and identifier. Otherwise, the
document is marked as being parked on the database, and requests
additional information regarding the attribute...

Class Codes
...Manual Codes (EPI/S-X):  T01-J05B4P


33/69,K/14      (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0009898813  - Drawing available
WPI ACC NO: 2000-197467/ 200018
XRPX ACC No: N2000-146381
Managing document by application for controlling document state and
behavior when document application is not running by invoking executable
code of active property to perform document management function for
document
Patent Assignee: DOURISH J P  (DOUR-I); EDWARDS W K  (EDWA-I); LAMARCA A G
   (LAMA-I); LAMPING J O  (LAMP-I); PETERSEN K  (PETE-I); SALISBURY M P
   (SALI-I); TERRY D B  (TERR-I); THORNTON J D  (THOR-I); XEROX CORP  (XERO)
Inventor: DOURISH J P; EDWARDS W K; LAMARCA A G; LAMPING J O; PETERSEN K;
   SALISBURY M F; SALISBURY M P; TERRY D B; THORNTON J D
Patent Family (4 patents,  27 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| EP 986009 | A2 | 20000315 | EP 1999117039 | A | 19990830 | 200018 | B |
| JP 2000090074 | A | 20000331 | JP 1999244030 | A | 19990830 | 200027 | E |
| US 20020055958 | A1 | 20020509 | US 1998143777 | A | 19980831 | 200235 | E |
| US 6562076 | B2 | 20030513 | US 1998143777 | A | 19980831 | 200335 | E |

Priority Applications (no., kind, date): US 1998143777  A  19980831

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| EP 986009 | A2 | EN | 16 | 5 | |

Regional Designated States,Original:  AL AT BE CH CY DE DK ES FI FR GB GR
   IE IT LI LT LU LV MC MK NL PT RO SE SI

| JP 2000090074 | A | JA | 11 | | |

   Alerting Abstract EP A2
   NOVELTY - An active property is attached by the application, to the
document. The active property includes executable code, which performs a
document management function for the document in accordance with the
application. The executable code of the active property is invoked in
response to a triggering event to perform the document management function
for the document.
   DESCRIPTION - A property attachment mechanism (125) is provided by the
document management system (A), which generates, configures and attaches
properties in a document reference (130) to the document (110) represented
by association links (135). The document (110) is identified by a unique ID
and the document reference (130) refers to the document using the same

unique ID . Properties (150) include static **properties** (represented by horizontal lines) and active properties (represented by circles). Active properties (140) are configured to be activated by a triggering event, which is defined by the user.

An INDEPENDENT CLAIM is included for:

1.a method of managing a document having a state and behavior

USE - In document management systems, which allows a document application to attach properties to a document.

ADVANTAGE - Allows controlling document state and behavior when the document application is not running by attaching an invocable property to the document, which manages the document.

DESCRIPTION OF DRAWINGS - The drawing shows an overall system for attaching properties to a selected document.

110 document
125 property attachment mechanism
130 document reference
135 association links
150 properties
A document management system

**Title Terms/Index Terms/Additional Words:** MANAGE; DOCUMENT; APPLY; CONTROL; STATE; RUN; INVOKE; EXECUTE; CODE; ACTIVE; PROPERTIES; PERFORMANCE; MANAGEMENT; FUNCTION

## Class Codes

International Classification (Main): G06F-015/00, G06F-017/21, G06F-017/30
 (Additional/Secondary): G06F-017/24

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2B;  T01-J11D

**200018**

Alerting **Abstract** ...110) is identified by a unique ID and the document reference (130) refers to the **document** using the same unique **ID** . **Properties** (150) **include** static **properties** (represented by horizontal lines) and active properties (represented by circles). Active properties (140) are configured...

## Class Codes
...Manual Codes (EPI/S-X):  T01-J11D

?

50/5,K/1     (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01360871
A system and method for categorising and retrieving documents on a network
System und Methode zum Kategorisieren und Wiederauffinden von Dokumenten in
    einem Netzwerk
Systeme  et  procede  pour  categoriser  et recuperer des documents dans un
    reseau
PATENT ASSIGNEE:
  Nua Limited, (3114880), Merrion House, Merrion Road, Co. Dublin, (IE),
    (Applicant designated States: all)
INVENTOR:
  Lachtnain, Antoin O., 22 Lr Grand Canal Street, Dublin 2, (IE)
  Holmes, Thomas, The Northumberlands, Love Lane, Dublin 2, (IE)
  McGovern, Gerry, 121 Park Avenue, Brackenstown, Swords, Co. Dublin, (IE)
LEGAL REPRESENTATIVE:
  Lane, Cathal Michael et al (88371), c/o Tomkins & Co. 5 Dartmouth Road,
    Dublin 6, (IE)
PATENT (CC, No, Kind, Date):  EP 1160683  A2  011205 (Basic)
                              EP 1160683  A3  020130
APPLICATION (CC, No, Date):   EP 2000203095 000907;
PRIORITY (CC, No, Date): IE 20000407 000524
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06F-017/30

ABSTRACT EP 1160683 A2
    Indexing and retrieving documents stored on a network, can be extremely
    difficult. To alleviate these difficulties the present invention provides
    a computer implemented method and system of categorsing documents on a
    network, by storing documents classifications in a document
    classification datastore for use with a classification system having one
    or more categories, each category having a plurality of classifications
    which are linked in a hierarchical structure (140,142,144,146), including
    the steps of obtaining the classifications for a document for a first
    category; determining a binary identifier for the document for each of
    the obtained classifications in the first category, combining the
    determined binary identifiers to produce a combined binary
    identifier , and storing the combined binary identifier in a
    datastore in association with the document. The invention further
    provides for a computer implemented method and system for searching
    documents stored in a datastore which have been classified using a
    classification structure comprised of a plurality of levels, with each
    level having relations with adjacent levels, such that each
    classification in the classification in the classification may have
    ancestor classifications and/or descendent classifications, including the
    steps of obtaining (124) a search criteria from a user including at least
    one classification to be searched, searching (130) for all documents in
    the datastore which have a classification matching either the
    classifications provided by the user in the search criteria, or a
    classification which is an ancestor or descendent of the classification
    provided by the user.
ABSTRACT WORD COUNT: 241
NOTE:
  Figure number on first page: 7

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application:    011205 A2 Published application without search report
  Search Report:  020130 A3 Separate publication of the search report
  Examination:    020724 A2 Date of request for examination: 20020524
  Change:         021023 A2 Legal representative(s) changed 20020904
  Priority:       030122 A2 Priority information changed: 20021204

...ABSTRACT linked in a hierarchical structure (140,142,144,146), including the steps of obtaining the **classifications** for a **document** for a first category; determining a binary identifier for the **document** for each of the obtained **classifications** in the first category, **combining** the determined binary **identifiers** to produce a **combined** binary **identifier**, and storing the **combined** binary **identifier** in a datastore in association with the document. The invention further provides for a computer implemented method and system for **searching documents** stored in a datastore which have been classified using a classification structure comprised of a...

...SPECIFICATION which is a power of two.
The step of determining a binary identifier for each **classification** for a **document** is preferably performed by **retrieving** a binary **identifier** value, from a database **containing** a list of **classifications** and corresponding binary numbers, for each of the obtained classifications. Preferably, each classification has a...

...the determined binary identifiers may be performed by setting individual bits, as defined by the **retrieved** binary numbers.
The **document** **classification** datastore is preferably a **document classification** table in a database having a first field for identifying documents and

a second field for storing the **combined** binary **identifiers** .
Optionally, if a **classification** system has more than one category of classification, then a third field may be provided in the **document classification** table in the database, the third field identifying the category type.
In a preferred embodiment...

...the steps of obtaining a binary identifier for each classification submitted from a database of **classifications** **containing** **classifications** and their associated binary **identifiers** , performing a bitwise OR operation on all of the obtained binary identifiers to produce the search identifier.
Preferably, with the step of comparing the **classification** information of **documents** to be **searched** with the **search** identifier is performed using a bitwise OR operation, with a non-zero result indicating a match.
In another embodiment, a computer implemented method of **searching documents** stored in a datastore which have been classified using a classification structure comprised of a...determining means may comprise a setting means for setting individual bits, as defined by the **retrieved** binary numbers.
The **document** **classification** datastore is preferably a **document classification** table in a database having a first field for identifying documents and

a second field for storing the **combined** binary **identifiers** .
Optionally, if a **classification** system has more than one category of

classification, then a third field may be provided in the  document
classification  table in the database, the third field identifying the
category type.
   In a preferred embodiment...
...classifications for each particular classification.
   According to a further embodiment, a system is provided for  searching
 documents  having classification information stored as binary
identifiers, with each classification in a category, being identified...

...CLAIMS according to any preceeding claim, wherein the step of
   determining a binary identifier for each  classification  for a
   document  is preferably performed by  retrieving  a binary
   identifier  value, from a database  containing  a list of
   classifications  and corresponding binary numbers for each of the
   obtained classifications.
 5. A computer implemented method of storing  documents   classifications
   according to claim 4, wherein each classification has a unique
   corresponding binary identifier.
 6. A...

...the search identifier in the database to the user.
 14. A computer implemented method for  searching   documents  having
   classification information stored as binary identifiers, according to
   claim 13, wherein the step of...

...the steps of:
   obtaining a binary identifier for each classification submitted from a
   database of  classifications   containing   classifications  and
   their associated binary  identifiers , and
  performing a bitwise OR operation on all of the obtained binary
   identifiers to produce the search identifier.
 15. A computer implemented method for  searching   documents  having
   classification  information stored as binary identifiers according to
   claims 13 or 14, wherein the step of comparing the classification
   information of  documents  to be  searched  with the  search
   identifier is performed using a bitwise OR operation.
 16. A computer readable storage medium having...


 50/5,K/2      (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01357788
A system and method for publishing and categorising documents on a network
System  und Methode zur Veroffentlichung und Kategorisierung von Dokumenten
   auf einem Netzwerk
Systeme  et  procede  de  publication et classification de documents sur un
   reseau
PATENT ASSIGNEE:
  Nua Limited, (3114880), Merrion House, Merrion Road, Co. Dublin, (IE),
   (Applicant designated States: all)
INVENTOR:
  Lachtnain, Antoin O., 22 Lr Grand Canal Street, Dublin 2, (IE)
  McGovern, Gerry, 121 Park Avenue, Brackenstown, Swords, Co Dublin, (IE)
  Holmes, Thomas, The Northumberlands, Love Lane, Dublin 2, (IE)
LEGAL REPRESENTATIVE:
  Lane, Cathal Michael et al (88371), c/o Tomkins & Co. 5 Dartmouth Road,
   Dublin 6, (IE)
PATENT (CC, No, Kind, Date):  EP 1158424  A1  011128 (Basic)
APPLICATION (CC, No, Date):   EP 2000203094 000907;
PRIORITY (CC, No, Date): IE 20000406 000524
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

ABSTRACT EP 1158424 A1
    Maintaining control of documents published on a network is difficult.
To overcome this problem, a computer implemented method of publishing
documents on a network is provided, comprising the steps of receiving a
submitted document from a user, receiving a primary classification for
the submitted document from the user, determining (86) a publisher
associated with the primary classification, and assigning (88) the
submitted document for review to the associated publisher. Further steps
are provided for accepting a suitability indicator from the publisher for
the submitted document, wherein a positive suitability indicator
indicates the submitted document is suitable for publishing on the
network, and publishing (96) the submitted document under the primary
heading in response to a positive suitability indicator.
ABSTRACT WORD COUNT: 119
NOTE:
    Figure number on first page: 5

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application:      011128 A1 Published application with search report
 Examination:     020724 A1 Date of request for examination: 20020524
 Examination:     020918 A1 Date of dispatch of the first examination
                            report: 20020802
 Change:          021023 A1 Legal representative(s) changed 20020904
 Priority:        030122 A1 Priority information changed: 20021204
 Change:          030806 A1 Legal representative(s) changed 20030617
 Withdrawal:      040616 A1 Date application deemed withdrawn: 20031001
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text  Language   Update     Word Count
     CLAIMS A  (English)   200148        931
     SPEC A    (English)   200148      10964
Total word count - document A           11895
Total word count - document B               0
Total word count - documents A + B      11895

...SPECIFICATION which is a multiple of two.
    The step of determining a binary identifier for each  classification
for a  document  is preferably performed by  retrieving  a binary
identifier  value, from a database  containing  a list of
classifications  and corresponding binary numbers, for each of the
obtained classifications. Preferably, each classification has a...
...the determined binary identifiers may be performed by setting individual
bits, as defined by the  retrieved  binary numbers.
    The  document   classification  datastore is preferably a  document
classification  table in a database having a first field for identifying
documents and

    a second field for storing the  combined  binary  identifiers .
    Optionally, if a  classification  system has more than one category of
classification, then a third field may be provided in the  document
classification  table in the database, the third field identifying the
category type.
    In a preferred embodiment...

...the steps of

    obtaining a binary identifier for each classification submitted from a
database of  classifications  containing   classifications  and their
associated binary  identifiers , performing a bitwise OR operation on all
of the obtained binary identifiers to produce the search identifier.
    Preferably, with the step of comparing the  classification  information
of  documents  to be  searched  with the  search  identifier is performed
using a bitwise OR operation, with a non-zero result indicating a match.

In another embodiment, a computer implemented method of **searching documents** stored in a datastore which have been classified using a classification structure comprised of a...determining means may comprise a setting means for setting individual bits, as defined by the **retrieved** binary numbers.

The **document classification** datastore is preferably a **document classification** table in a database having a first field for identifying documents and

a second field for storing the **combined** binary **identifiers** .
Optionally, if a **classification** system has more than one category of classification, then a third field may be provided in the **document classification** table in the database, the third field identifying the category type.

In a preferred embodiment...

...classifications for each particular classification.
According to a further embodiment, a system is provided for **searching documents** having classification information stored as binary identifiers, with each classification in a category, being identified...


50/5,K/4      (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00952364
Digital integrated apparatus
Digital integriertes Gerat
Appareil integre digital
PATENT ASSIGNEE:
  Matsushita Electric Industrial Co., Ltd., (1855505), 1006-banchi,
    Oaza-Kadoma, Kadoma-shi, Osaka-fu, 571-8501, (JP), (Proprietor
    designated states: all)
INVENTOR:
  Hisatomi, Kenji, 2-26-3, Yagumokitamachi, Moriguchi-shi, Osaka-fu, (JP)
  Takahashi, Naoki, 5-8-308, Myokenzaka, Katano-shi, Osaka-fu, (JP)
  Kuwano, Hideyuki, 4-36-107, Sengokunishimachi, Kadoma-shi, Osaka-fu, (JP)
  Yamaguchi, Takehito, 2-22-516, Takatsuka-cho, Hirakata-shi, Osaka-fu,
    (JP)
  Okada, Yuji, 15-3-202, Gotenyama-chu, Hirakata-shi, Osaka-fu, (JP)
  Murata, Kazuyuki, 2-15-10, Kasumizaka, Kyontanaba-shi, Kyoto-fu, (JP)
LEGAL REPRESENTATIVE:
  Dempster, Benjamin John Naftel et al (62251), Withers & Rogers, Goldings
    House, 2 Hays Lane, London SE1 2HW, (GB)
PATENT (CC, No, Kind, Date):  EP 863658  A2  980909 (Basic)
                              EP 863658  A3  981104
                              EP 863658  B1  040804
                              EP 863658  B1  040804
APPLICATION (CC, No, Date):   EP 98301468 980227;
PRIORITY (CC, No, Date): JP 9749993 970305; JP 9749989 970305; JP 9749990
    970305; JP 9749992 970305; JP 9751336 970306
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): H04N-001/21
CITED PATENTS (EP B): EP 465818 A; US 4802018 A
CITED REFERENCES (EP B):
  PATENT ABSTRACTS OF JAPAN vol. 018, no. 489 (P-1799), 12 September 1994 &
    JP 06 162093 A (RICOH CO LTD), 10 June 1994
  PATENT ABSTRACTS OF JAPAN vol. 013, no. 053 (E-713), 7 February 1989 & JP
    63 245065 A (FUJITSU LTD), 12 October 1988
  PATENT ABSTRACTS OF JAPAN vol. 097, no. 006, 30 June 1997 & JP 09 044515
    A (HITACHI LTD;HITACHI COMMUN SYST INC), 14 February 1997
  PATENT ABSTRACTS OF JAPAN vol. 097, no. 005, 30 May 1997 & JP 09 006869 A
    (OKI ELECTRIC IND CO LTD), 10 January 1997
  PATENT ABSTRACTS OF JAPAN vol. 097, no. 002, 28 February 1997 & JP 08

255105 A (HITACHI LTD), 1 October 1996;

ABSTRACT EP 863658 A2

The present invention relates to a digital integrated apparatus for obtaining documentary image furnished with document ID mark at the same time with registration of documentary image. Document ID is generated when documentary image data is stored in storing means. This document ID is encoded by document ID encoding means to obtain document ID mark. The obtained document ID mark is input in pattern synthesizing means and, simultaneously as said storage, attached to specific documentary image and then output from output means such as laser printer, etc. The document can be taken out by utilizing this documentary image with document ID mark, and can also be transmitted by facsimile. Moreover, by transmitting a documentary image with document ID mark to a digital integrated apparatus from a facsimile system in a distant place, it is possible to take out the documentary image corresponding to that document ID mark.

ABSTRACT WORD COUNT: 148
NOTE:
    Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Examination:        021002 A2 Date of dispatch of the first examination
                                report: 20020816
  Application:        980909 A2 Published application (A1with Search Report
                                ;A2without Search Report)
  Oppn None:          050727 B1 No opposition filed: 20050506
  Grant:              040804 B1 Granted patent
  Change:             021127 A2 Legal representative(s) changed 20021010
  Grant:              040804 B1 Granted patent
  Examination:        980909 A2 Date of filing of request for examination:
                                980320
  Search Report:      981104 A3 Separate publication of the European or
                                International search report
  Change:             990714 A2 Designated Contracting States (change)
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language    Update      Word Count
        CLAIMS A  (English)  199837          1636
        CLAIMS B  (English)  200432          1590
        CLAIMS B   (German)  200432          1259
        CLAIMS B   (French)  200432          1818
        SPEC A    (English)  199837         14912
        SPEC B    (English)  200432         14974
Total word count - document A          16551
Total word count - document B          19641
Total word count - documents A + B     36192
...SPECIFICATION panel 92. This document ID is delivered to the document
  management means 3, and the  document  management means 3 gains  access
  to the  document   attribute  table, and extracts the " access   right",
  "link destination" and "link origin"  attribute  information
  corresponding to said  document   ID .
    Based on said " link  destination" and "link origin"  attribute
  information, the  document  management means 3 displays, in the case
  where there exist some documents related to said input document ID and
  that the user has " access  right" to those  documents , a list of
  related documents on the control panel 92 (Fig. 14, step S142: Y...

...SPECIFICATION panel 92. This document ID is delivered to the document
  management means 3, and the  document  management means 3 gains  access
  to the  document   attribute  table, and extracts the " access   right",
  "link destination" and "link origin"  attribute  information
  corresponding to said  document   ID .
    Based on said " link  destination" and "link origin"  attribute
  information, the  document  management means 3 displays, in the case

where there exist some documents related to said input document ID and
that the user has " access right" to those documents , a list of
related documents on the control panel 92 (Fig. 14, step S142: Y...


50/5,K/8      (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00601210
Method  for  performing a search of a plurality of documents for similarity
     to a query
Verfahren  zur  Durchfuhrung der Suche nach Ahnlichkeiten mit einer Abfrage
     in einer Dokumentenmenge
Methode pour effectuer une recherche de similarite avec une requete dans un
     ensemble de documents
PATENT ASSIGNEE:
  XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644,
     (US), (Proprietor designated states: all)
INVENTOR:
  Henderson, Richard D., 505 Aleta Avenue, San Jose, California 95128, (US)
  Barbarino, Michael J., 363 California Street, Moss Beach, California
     94038, (US)
LEGAL REPRESENTATIVE:
  Skone James, Robert Edmund et al (50281), GILL JENNINGS & EVERY Broadgate
     House 7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date):  EP 590858  A1   940406 (Basic)
                              EP 590858  B1   010905
APPLICATION (CC, No, Date):   EP 93307488 930922;
PRIORITY (CC, No, Date): US 953166 920929
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-017/30
CITED PATENTS (EP A): EP 501416 A; EP 304191 A
CITED PATENTS (EP B): EP 304191 A; EP 501416 A
CITED REFERENCES (EP A):
  8TH ANNUAL INTERNATIONAL CONFERENCE ON COMPUTERS AND COMMUNICATIONS 22
     March 1989 , USA pages 567 - 571 D. LUCARELLA : 'Heuristics to locate
     the best document set in information retrieval systems'
  PATENT ABSTRACTS OF JAPAN vol. 14, no. 238 (P-1050)21 May 1990 & JP-A-20
     059 861 (NEC CORP.) 18 February 1990
  COMPUTER JOURNAL vol. 35, no. 3 , June 1992 , LONDON GB pages 279 - 290
     H. TURTLE & B. CROFT : 'A Comparison of Text Retrieval Models';
CITED REFERENCES (EP B):
  8TH ANNUAL INTERNATIONAL CONFERENCE ON COMPUTERS AND COMMUNICATIONS 22
     March 1989 , USA pages 567 - 571 D. LUCARELLA : 'Heuristics to locate
     the best document set in information retrieval systems'
  PATENT ABSTRACTS OF JAPAN vol. 14, no. 238 (P-1050) 21 May 1990 & JP-A-02
     059 861 (NEC CORP.) 18 February 1990
  COMPUTER JOURNAL vol. 35, no. 3 , June 1992 , LONDON GB pages 279 - 290
     H. TURTLE & B. CROFT : 'A Comparison of Text Retrieval Models';

ABSTRACT EP 590858 A1
  A method for performing a search of a plurality of documents for
similarity to a query word includes retrieving a first document (20), and
determining (21,23) a number of occurrences of the at least one query
word in the first document. Then, a next document is retrieved (25) and a
number of occurrences of the at least one query word in the next document
is determined (27,28). The steps are repeated (30) until each of the
plurality of documents have been retrieved, and the number of occurrences
of the at least one query word has been determined in each of the
plurality of documents. The query word can include a plurality of query
words, all of which are searched in each document, in turn, rather than
being searched word by word in the whole collection of documents. The
documents are then ranked according to the number of occurrences of the
query words determined in each document, and a list of documents is

produced according to the document ranking. (see image in original
document)
ABSTRACT WORD COUNT: 175
NOTE:
   Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):
   Change:            000705 A1 International Patent Classification changed:
                                20000517
   Application:       940406 A1 Published application (A1with Search Report
                                ;A2without Search Report)
   Oppn None:         020828 B1 No opposition filed: 20020606
   Change:            000913 A1 International Patent Classification changed:
                                20000724
   Grant:             010905 B1 Granted patent
   Examination:       941130 A1 Date of filing of request for examination:
                                941006
   Change:            950201 A1 Representative (change)
   Change:            980805 A1 Representative (change)
   Examination:       990324 A1 Date of despatch of first examination report:
                                990203
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language    Update     Word Count
      CLAIMS A   (English)   EPABF2        515
      CLAIMS B   (English)   200136        502
      CLAIMS B   (German)    200136        484
      CLAIMS B   (French)    200136        538
      SPEC A     (English)   EPABF2       2126
      SPEC B     (English)   200136       2206
Total word count - document A              2641
Total word count - document B              3730
Total word count - documents A + B         6371

...CLAIMS in said second portion of said plurality of documents.
   6.  A method for performing a **search** of a plurality of **documents** for
       similarity to a plurality of query words, comprising:
             generating an index of entries for...

...words of all of said documents, each of said documents being identified
   by a document **identifier** , each entry **containing**  a **document**
   **identifier** and a **number** of **occurrences** that a word appears in
   the identified document;
             for each document identifier, in turn, comparing...


   50/5,K/9      (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00449142
HIERARCHICAL  PRESEARCH-TYPE DOCUMENT RETRIEVAL METHOD, APPARATUS THEREFOR,
     AND MAGNETIC DISC DEVICE FOR THIS APPARATUS
HIERARCHISCHER  VORSUCH-TYP DOKUMENT SUCHVERFAHREN, VORRICHTUNG DAZU, SOWIE
     EINE MAGNETISCHE PLATTENANORDNUNG FUR DIESE VORRICHTUNG
PROCEDE  DE  RECHERCHE DOCUMENTAIRE A PRERECHERCHE HIERARCHIQUE, APPAREIL A
     CET EFFET, ET DISPOSITIF A DISQUE MAGNETIQUE DESTINE A CET APPAREIL
PATENT ASSIGNEE:
   Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
     101-0062, (JP), (applicant designated states: DE;FR;GB)
INVENTOR:
   KATO, Kanji, 5297-5-4, Yamaguchi Tokorozawa-shi, Saitama 359, (JP)
   FUJISAWA, Hiromichi, 3-15-K-510, Kotesashicho Tokorozawa-shi, Saitama 359
     , (JP)
   OOYAMA, Mitsuo, 625-23, Nagabusamachi Hachioji-shi, Tokyo 193, (JP)

KAWAGUCHI, Hisamitsu, 2-32, Koyasumachi Hachioji-shi, Tokyo 192, (JP)
HATAKEYAMA, Atsushi, 4-14-6, Nishikoigakubo Kokubunji-shi, Tokyo 185, (JP)
KANEOKA, Noriyuki, 1-47-1, Akatsukicho Hachioji-shi, Tokyo 192, (JP)
AKIZAWA, Mitsuru, 2-32, Koyasumachi Hachioji-shi, Tokyo 192, (JP)
FUJINAWA, Masaaki, 2196-469, Hirai Hinodemachi, Nishitamagun Tokyo 190-01, (JP)
MASUZAKI, Hidefumi, 1113-5, Horinishi Hadano-shi, Kanagawa 259-13, (JP)
MURAKAMI, Masaharu, 183-25, Shimobori Odawara-shi, Kanagawa 250, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
    Munchen, (DE)
PATENT (CC, No, Kind, Date):  EP 437615  A1  910724 (Basic)
                              EP 437615  A1  930602
                              EP 437615  B1  981021
                              WO 9016036  901227
APPLICATION (CC, No, Date):   EP 90909360 900614;  WO 90JP774  900614
PRIORITY (CC, No, Date): JP 89149630 890614; JP 89188773 890724; JP
    89188772 890724; JP 89231567 890908
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-017/30; G06F-017/40; G11B-027/00;
CITED PATENTS (EP A): US 4516166 A; EP 266586 A
CITED PATENTS (WO A): JP 1125624 A; JP 6474619 A; JP 6211932 A
CITED REFERENCES (EP A):
  JOURNAL OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE vol. 37, no. 3,
    May 1986, WASHINGTON US pages 123 - 135 U.MUKHOPADHYAY ET AL. 'An
    intelligent system for document retrieval in distributed office
    environments'
  IEEE TRANSACTIONS ON COMPUTERS vol. C-35, no. 11, November 1986, NEW YORK
    US pages 978 - 988 M.Y.KIM 'Synchronized disk interleaving';

ABSTRACT EP 437615 A1
    A document information retrieval method of effecting full text search,
an apparatus therefor, and a magnetic disc device used therefor, wherein
two-step presearch of documents is effected with respect to a key-word
for the retrieval. In the first step (step 402) of the presearch, a
character table (500) describing, by documents, the presence or absence
of all the character codes included in a group of text data of the
documents stored is generated in advance, the character table is searched
using all character codes that constitute the keyword, and only the
documents including the character codes are picked up. In the second step
(step 403), compressed text data excluding annexed words contained in the
text data and repetitively appearing words are generated, and documents
containing the keyword as a word are picked up out of the documents
picked up in the first step. After the second step (step 403), a text
search (step 404) is effected according to proximity condition, context
condition, etc. A dedicated hardware (1106) for character string
collation based on the finite automation system is employed as character
string collation means. As for different expressions and synonyms, an
inputted character string is developed for a different expression through
a different expression developing unit (2601), and reference is made to a
synonym dictionary (2612) for each of the character strings developed for
different expression in order to develop the synonyms through a synonym
developing unit (2602). Then, the result of synonym development is
developed through the different expression developing unit (2603)
according to a conversion rule table (2603). The text data for document
retrieval are stored by a plurality of magnetic disc devices (1) operable
in parallel. These devices are simultaneously driven, and the output data
thereof are systematically processed.
ABSTRACT WORD COUNT: 294

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application:      910724 A1 Published application (A1with Search Report
                        ;A2without Search Report)
 Examination:      910724 A1 Date of filing of request for examination:

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                              901220
Search Report:      930602 A1 Drawing up of a supplementary European search
                              report: 930415
Examination:        960807 A1 Date of despatch of first examination report:
                              960621
Grant:              981021 B1 Granted patent
Change:             990519 B1 Inventor (change)
Oppn None:          991013 B1 No opposition filed: 19990722
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:
Available Text  Language    Update    Word Count
      CLAIMS B  (English)   9843         3357
      CLAIMS B  (German)    9843         2833
      CLAIMS B  (French)    9843         3998
      SPEC B    (English)   9843        40195
Total word count - document A            0
Total word count - document B        50383
Total word count - documents A + B   50383
```

...SPECIFICATION base will be described. In this collective type magnetic
   disk unit, management information using a **file** **ID** ( **constituted** by a
   logical **classification** ID and a number peculiar thereto in the
   logical classification) is made up as means for designating a **file** as a
   subject of **access** by use of the **file** **ID**.
     After the higher-rank apparatus 7 stores in the communication memory 5
   the file...


 50/5,K/15      (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00963611     **Image available**
EXTENDED  WEB  ENABLED  MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM
    FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES INTERNET
    POUR SERVICES DE LOCATION DE VEHICULES
Patent Applicant/Assignee:
  THE CRAWFORD GROUP INC, 600 Corporate Park Drive, St. Louis, MO 63105, US
    , US (Residence), US (Nationality), (For all designated states except:
    US)
Patent Applicant/Inventor:
  WEINSTOCK Timothy Robert, 1845 Highcrest Drive, St. Charles, MO 63303, US
    , US (Residence), US (Nationality), (Designated only for: US)
  DE VALLANCE Kimberly Ann, 2037 Silent Spring Drive, Maryland Heights, MO
    63043, US, US (Residence), US (Nationality), (Designated only for: US)
  HASELHORST Randall Allan, 1016 Scenic Oats Court, Imperial, MO 63052, US,
    US (Residence), US (Nationality), (Designated only for: US)
  KENNEDY Craig Stephen, 9129 Meadowglen Lane, St. Louis, MO 63126, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SMITH David Gary, 10 Venice Place Court, Wildwood, MO 63040, US, US
    (Residence), US (Nationality), (Designated only for: US)
  TINGLE William T, 17368 Hilltop Ridge Drive, Eureka, MO 63025, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KLOPFENSTEIN Anita K, 433 Schwarz Road, O'Fallon, IL 62269, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  HAFERKAMP Richard E (et al) (agent), Howell & Haferkamp, L.C., Suite
    1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817, US,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 200297700 A2  20021205  (WO 0297700)
  Application:       WO 2001US51431 20011019  (PCT/WO US0151431)
  Priority Application: US 2000694050 20001020
Parent Application/Grant:
  Related by Continuation to: US 2000694050 20001020 (CIP)

Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
  SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 237932

English Abstract


French Abstract
  La presente invention concerne un systeme informatique de transaction
  entre entreprises qui dans un mode de realisation prefere est destine a
  fournir des services de location de vehicules pour des utilisateurs a
  demande elevee comportant un portail de reseau Internet grace auquel
  l'utilisateur a demande elevee peut acceder a une pluralite de
  fournisseurs de services comportant un reseau informatique d'entreprise
  integre pour au moins un fournisseur de services de location de
  vehicules. Le reseau informatique de fournisseur de services de location
  de vehicules est configure pour l'interconnexion d'une pluralite de
  succursales de diversite geographique, presentant le catalogue de leurs
  vehicules de location disponibles et des programmes les concernant ainsi
  que pour la gestion de toutes les donnees de transaction concernant son
  entreprise. Le portail de reseau Internet permet une connectivite et une
  transferabilite universelles pour une association d'entreprises a
  plusieurs niveaux qui placent regulierement des demandes elevees d'achat
  de location avec son associe commercial et egalement les autres
  fournisseurs de services qui peuvent ou non avoir le meme systeme et
  logiciel informatique d'entreprise integre. L'utilisation du procede et
  de l'appareil de la presente invention permet de placer, de grands
  volumes de transactions de location, de les controler, de les modifier en
  cours d'operation, et de les conclure avec des operations de comptabilite
  financiere et paiement pratiquement sans intervention humaine.

Legal Status (Type, Date, Text)
Publication  20021205 A2 Without international search report and to be
                          republished upon receipt of that report.
Declaration    20030220 Late publication under Article 17.2a
Republication 20030220 A2 With declaration under Article 17(2)(a); without
                          abstract; title not checked by the International
                          Searching Authority.
Patent and Priority Information (Country, Number, Date):
  Patent:              ... 20021205
Fulltext Availability:
  Detailed Description
Publication Year:  2002

Detailed Description
...  doing business. This added
  functionality allows the invention, for example, to provide
  the user with **access** to ...p -8
  C4 :8
  .9

```
o 0 0
cam o
co Ul
k'
E
co
 ID
:@.8
Wc 0 CD
Ci Q C3
El
Ca
4)
cn 0@
C 00
```
0...that executes ED***RC1 program, that calls/executes this EDMRLUA
program with a single entry parameter for the ARMS Profile ID value
to cause the program to perform "receive" production transaction
processing. The other job, ED...the derived input data queue name from
IIDQ" concatenated
with the TRADING PARTNER/ VAN PROFILE ID input parameter value
concatenate with the
constant "1",

ARMS Process Report
3. Override the derived ARMS Input file (AMINPUT) to the ARMS input
TRADING PARTNER/VAN RECEIVER INPUT FILE Version Number 1. Then open the
input f ile.

4. Override the derived ARMS Hold file (AMHOLD) to the ARMS Hold
TRADING
PARTNER/VAN RECEIVER INPUT FILE Version Number 1, Then...Likewise, add
the maintenance of these fields to the AMXBCO maintenance program and
screen display file record' format (AAAM10).

Process
Hierarchical numeric ID: 1 1 3.5
Coded name:
Name: DTQ ID : 1 1 3.6
Coded name:
Name: DTQ Input Data Queue to AM0030 (DQAMSET1)
Comment...
>>>Format 69 is not valid in file 348

 50/69,K/41      (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0011116534  - Drawing available
WPI ACC NO: 2002-052703/ 200207
XRPX Acc No: N2002-039140
Document control method involves generating schema identifier indicating
document schema, and registering attribute identifier corresponding to
document schema
Patent Assignee: RICOH KK  (RICO)
Inventor: EBATA J; EHATA
Patent Family (3 patents, 2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| JP 2001306372 | A | 20011102 | JP 2000121843 | A | 20000421 | 200207 | B |
| US 20020007375 | A1 | 20020117 | US 2001838268 | A | 20010420 | 200212 | E |
| US 6985894 | B2 | 20060110 | US 2001838268 | A | 20010420 | 200604 | E |

Priority Applications (no., kind, date): JP 2000121843 A 20000421

Patent Details
Number          Kind  Lan   Pg   Dwg   Filing Notes
JP 2001306372    A    JA    11   12
    Alerting Abstract JP A
    NOVELTY - Attribute data corresponding to the contents of document are
registered. The schema identifier showing the schema of document is
generated. The attribute identifier corresponding to the document schema is
registered.
    DESCRIPTION - An INDEPENDENT CLAIM is also included for recorded medium
storing the document control program.
    USE - For document control.
    ADVANTAGE - User is enabled to define the document attribute item freely,
while searching the documents.
    DESCRIPTION OF DRAWINGS - The figure shows a flowchart for document
control process. (Drawing includes non-English language text).

Title Terms/Index Terms/Additional Words: DOCUMENT; CONTROL; METHOD;
    GENERATE; IDENTIFY; INDICATE; REGISTER; ATTRIBUTE; CORRESPOND

Class Codes
International Classification (Main): G06F-012/00, G06F-017/21
 (Additional/Secondary): G06F-017/30
International Classification (+ Attributes)
IPC + Level Value Position Status Version
 G06F-0017/30  A   I   F   B   20060101

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-H; T01-J05B; T01-J11A

 200207

Original Publication Data by Authority


Claims:
...what is claimed is:1. A document management method which uses a
plurality  of  document schemas to manage  a   **document**  retrieval request,
 **the**  document schemas defining a structure of document contents,  **each**
document schema including a plurality  of  attributes, the  **method**
comprising:assigning a  **schema**  identifier to each of the plurality of
document schemas by generating a global unique identifier value every time
a schema name of a  **new**  document schema is input;assigning  **an**  attribute
identifier to each of the plurality of attributes of one of the plurality
of...


 50/69,K/44      (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0006639517  - Drawing available
WPI ACC NO: 1994-016413/ 199402
XRPX Acc No: N1994-012355
Digital data processing system e.g. networked workstation, with improved
backup storage - uses baseline backup procedure, in addition to full and
incremental backups, to save file copies
Patent Assignee: EPOCH SYSTEMS INC  (EPOC-N)
Inventor: FORTIER R W; MASTORS R M; TAYLOR T M; WALLACE J J
Patent Family (1 patents,  1 countries)
Patent                           Application
Number         Kind  Date   Number         Kind   Date     Update
US 5276860      A    19940104  US 1989452960   A   19891219  199402  B

Priority Applications (no., kind, date): US 1989452960  A  19891219

Patent Details
Number      Kind  Lan  Pg  Dwg  Filing Notes
US 5276860   A    EN   13   1

Alerting Abstract US A
   The baseline backup procedure is used to store copies of stable files,
i.e. files that are modified less frequently, if at all. With a
hierarchical storage server, such files are typically those stored on
tertiary storage media, e.g. erasable optical disks, WORMs or magnetic
tape. The full backup procedure stores, as full backup copies, copies of
all files not in the baseline backup and files that have been changed since
the time of their baseline backup. The full backup procedure also stores
file identifiers and signal representative of storage locations of baseline
backup copies for files which have not been changed since the time of the
baseline backup.
   The incremental backup procedure stores, as incremental backup copies,
copies of files not in the baseline or full backups, e.g., new files, and
files that have changed since the time of their last backup (baseline, full
or incremental). The incremental backup procedure also stores file
identifiers and signals representative of storage locations of baseline
backup copies for files which have not been changed since the time of the
baseline backup, and also stores file identifiers and signals
representative of storage locations of full and incremental backup copies
for files which have not been changed since the time of their full or
incremental backup.

Title Terms/Index Terms/Additional Words: DIGITAL; DATA; PROCESS; SYSTEM;
   IMPROVE; STORAGE; BASELINE; PROCEDURE; ADD; FULL; INCREMENT; SAVE; FILE;
   COPY

Class Codes
International Classification (Main): G06F-012/16

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-G03; T01-H01C

   199402

Original Publication Data by Authority


Claims:
...A. memory means for storing one or more files comprising
information-representative signals, each said  file  having a first
characteristic , including  a  file   identifier  and zero, one or more
attributes , B. baseline-backup means, coupled to said memory means, for
retrieving  from said memory means  files  having a first selected
characteristic  and storing copies thereof, said copies being referred to
as "baseline-backup" copies, said baseline...
...said baseline-backup copies, C. full-backup means, coupled to said
memory means, for (i)  retrieving , from said memory means,  files  a) for
which baseline-backup copies are not stored, or b) for which
baseline-backup...


 50/69,K/45       (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0005580264  - Drawing available
WPI ACC NO: 1991-187361/ 199126
XRPX ACC No: N1991-143588
Attribute based classification and retrieval method - using codeless

classification data held in hierarchical structure which can be searched at
any level
Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: MAKI R A; MUKHERJEE S K
Patent Family (3 patents, 3 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| EP 434586 | A | 19910626 | EP 1990480183 | A | 19901113 | 199126 | B |
| US 5201047 | A | 19930406 | US 1989454227 | A | 19891221 | 199316 | E |
| EP 434586 | A3 | 19930407 | EP 1990480183 | A | 19901113 | 199351 | E |

Priority Applications (no., kind, date): US 1989454227 A 19891221

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| EP 434586 | A | EN | | | |
| Regional Designated States,Original: DE FR GB | | | | | |
| US 5201047 | A | EN | 19 | | |
| EP 434586 | A3 | EN | | | |

Alerting Abstract EP A
An attribute-based classification and retrieval system for group
technology applications uses a codeless classification system. The
classification structures are held in hierarchies and an attribute file
(20).
The structures may be searched at any level. Relationships between
entities and classification attributes are held in a parameter file (60)
along with parameter values related to each entity-attribute pair. The
results of queries on the data are stored in results files (80) as
successive queries narrow the scope of the search.
ADVANTAGE/USE - Avoids the need to preplan and predefine a coding and
structure for the system. @(17pp Dwg.No.5/9)@

Equivalent Alerting Abstract US A
Classification structures in the form of hierarchies based on root
attributes such as function, material, shape, size and finish are stored in
a classification attribute file. Searches can be performed at any level in
these hierarchical structures. Detailed item parameter values and the
relationship between items and classification attributes are stored in a
separate file.
A classification parameter template file is used to define variable
column headings for different classification attribues. Queries on the
classification attributes are stored in a number of query results tables.
USE/ADVANTAGE - Classification query and retrival system for group
technology applications without fixed classification code system. Based on
user-determined attributes. Easily augmented.

Title Terms/Index Terms/Additional Words: ATTRIBUTE; BASED; CLASSIFY;
  RETRIEVAL; METHOD; DATA; HELD; HIERARCHY; STRUCTURE; CAN; SEARCH; LEVEL

Class Codes
International Classification (Main): G06F-015/413
 (Additional/Secondary): G06F-015/40, G06F-015/411

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B

199126

Original Publication Data by Authority


Claims:
...said plurality of item identifier-attribute identifier pairs in an item

and classification attributes relationship file ; and entering a first query interactively by said operator at said workstation using said interactive query system to perform a search on at least one attribute identifier in said item and classification attributes file , retrieving each said item identifier that includes said at least one attribute identifier as part of the stored item identifier - attribute identifier pair, and, using said database system, storing each said item identifier retrieved by said query in a query results file.

56/5,K/6     (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00852840     **Image available**
COMPUTER PROGRAM CONNECTING THE STRUCTURE OF A XML DOCUMENT TO ITS
     UNDERLYING MEANING
PROGRAMME INFORMATIQUE RATTACHANT LA STRUCTURE D'UN DOCUMENT XML A SA
     SIGNIFICATION SOUS-JACENTE
Patent Applicant/Assignee:
   CHARTERIS PLC, 6 Kinghorn Street, London EC1A 7TH, GB, GB (Residence), GB
     (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
   WORDEN Robert Peel, 159 High Street, Harston, Cambridge CB2 5QD, GB, GB
     (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
   ORIGIN LIMITED (agent), 52 Muswell Hill Road, London N10 3JR, GB,
Patent and Priority Information (Country, Number, Date):
   Patent:              WO 200186476 A2-A3 20011115 (WO 0186476)
   Application:         WO 2001GB2078 20010511  (PCT/WO GB0102078)
   Priority Application: GB 200011426 20000511
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   CN IN JP US
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
   Detailed Description
   Claims
Fulltext Word Count: 54789

English Abstract
   A computer program which uses a set of mappings between XML logical
   structures and business information model logical structures, in which
   the mappings describe how a document in a given XML based language
   conveys information in a business information model.

French Abstract
   L'invention concerne un programme informatique utilisant une serie de
   correspondances entre les structures logiques XML et les structures
   logiques de modele d'information commerciale. Ces correspondances
   indiquent comment un document etabli en langage XML donne vehicule
   l'information dans un modele d'information commerciale.
Legal Status (Type, Date, Text)
Publication  20011115 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20020207 Request for preliminary examination prior to end of
                         19th month from priority date
Search Rpt    20020321 Late publication of international search report
Republication 20020321 A3 With international search report.

Fulltext Availability:
   Detailed Description

Detailed Description
...  it, and click 'Add'. The new unique identifier will then appear in the
   right-hand  column , as illustrated. This shows the class name, and the
   set of  attributes  which  constitute  each unique  identifier . There
   can be several unique identifiers.

   1 0 The class name is shown because unique...options include relational
   databases). For 'directly accesssible' choose 'Yes' indicating that: the

DTD or XDR **file** can be **accessed** by the tool. In 'URL' enter the URL
or file name of the DTD or...lik-e the way in which many relations are
represented in relational databases, as 'foreign **keys** '. Each foreign
**key** is a set of **attribute** values, which **constitutes** a unique
**identifier** for the entity at the other end of the relation.

There are choices as to...

?

```
File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)
        (c) 2006 JPO & JAPIO

Set     Items   Description
S1      41745   IDENTIFIER? ? OR ID OR IDS
S2        253   FID OR FIDS
S3       3334   S1:S2(5N)(EMBED? OR IMBED? OR ENCOD???? ? OR INCOD???? ? OR
                INCORPORAT? OR COMBIN??? ? OR COMBINATION OR INCLUD? OR INCL-
                US?)
S4       1799   S1:S2(5N)(CONCATENAT? OR INTEGRAL? OR INTEGRAT? OR CONSTIT-
                UT? OR SUBSUM? OR COMPRIS? OR ENCOMPASS? OR CONTAIN??? ? OR C-
                OMPOSITE? ?)
S5        238   S1:S2(5N)(COMPOSING OR COMPOSE? ? OR APPEND? ? OR APPENDED
                OR APPENDING)
S6       1065   S1:S2(5N)(ATTACH??? ? OR LINK??? ?)
S7       4322   S1:S2(5N)PART
S8    1040845   ATTRIBUTE OR ATTRIBUTES OR SIZE OR CHARACTERISTIC? ? OR PA-
                RAMET??? ? OR FEATURE OR FEATURES OR PROPERTY? OR PROPERTIES -
                OR TRAIT? ?
S9      17091   CLASSIFICATION? ? OR (OCCURR????? ? OR OCCUR????? ?)(2N)(F-
                REQUEN? OR NUMBER OR OFTEN)
S10    105882   DOCUMENT? ? OR FILE OR FILES OR COMPUTERFILE? OR TEXTFILE?
                OR IMAGEFILE? OR DATAFILE? OR SOUNDFILE? OR MEDIAFILE? OR SON-
                GFILE?
S11    898943   AUDIOFILE? OR AVFILE? OR VIDEOFILE? OR MUSICFILE? OR VIDEO-
                CLIP? OR MOVIECLIP? OR VIDEO? ? OR FILM? ? OR MOVIE? ? OR FIL-
                MSTRIP?
S12      6704   MOTIONPICTURE? OR (MOTION OR MOVING)()PICTURE? ?
S13     48728   (S8:S9 OR DATE)(5N)S10:S12
S14       302   S3:S7(5N)(S8:S9 OR DATE)
S15        29   S14 AND S13
S16         0   S15 AND AC=US/PR AND AY=(1963:2002)/PR
S17         0   S15 AND AC=US AND AY=1963:2002
S18         0   S15 AND AC=US AND AY=(1963:2002)/PR
S19        18   S15 AND PY=1963:2002
S20     91187   COLUMN?? ?
S21    106755   KEY? ?
S22      1518   S20:S21(5N)(COMBIN??? ? OR COMBINATION OR CONCATENAT?)
S23       868   S20:S21 AND S3:S7
S24         7   S23 AND S13
S25         5   S24 NOT S15
?
```

? t19/9/2-4,7-8,12-14

19/9/2

07353729    **Image available**
MODULARITY EVALUATION METHOD, MODULARITY EVALUATION PROGRAM, AND COMPUTER
READABLE RECORDING MEDIUM RECORDING MODULARITY EVALUATION PROGRAM

PUB. NO.:      2002-222220  [JP 2002222220  A]
PUBLISHED:     August 09, 2002 ( **20020809**)
INVENTOR(s):   OYOSHI SUNAO
APPLICANT(s):  JAPAN SCIENCE & TECHNOLOGY CORP
APPL. NO.:     2001-016596  [JP 200116596]
FILED:         January 25, 2001 (20010125)
INTL CLASS:    G06F-017/50

ABSTRACT

PROBLEM TO BE SOLVED: To quantitatively and objectively evaluate product
design by using a degree of modularity measurement and a value of module
property evaluation capable of reflecting loss due to attribute selection
and arrangement selection of part elements.

SOLUTION: A CPU reads a part **attribute file** (S201) and obtains Vk(x)
and a combination of attributes (S202). The CPU3 obtains **attribute**
adaptation rate mp concerning each **combination of attributes** and an
**identifier** p and calculates a degree of first modularity measurement M1
(S203). Next, the CPU3 reads a connection strength file 63 (S205) and
obtains a degree of second modularity measurement M2 indicating a ratio
that joining among part elements is within the same module (S207). Then, as
for a degree of modularity measurement at product level, weight $\alpha$ is
read from a weight $\alpha$ file 65 storing weight (S209), and modularity
evaluation value M is evaluated to store in a modularity measurement degree
file (S211).

19/9/3

07028528    **Image available**
INFORMATION PROCESSING TERMINAL AND CONTENTS ACQUISITION SYSTEM

PUB. NO.:      2001-256162  [JP 2001256162  A]
PUBLISHED:     September 21, 2001 ( **20010921**)
INVENTOR(s):   ASAI TAKAYUKI
APPLICANT(s):  NEC CORP
APPL. NO.:     2000-070405  [JP 200070405]
FILED:         March 14, 2000 (20000314)
INTL CLASS:    G06F-013/00; H04Q-007/38; H04L-012/28; H04M-011/00;
               H04N-001/00; H04N-001/32

ABSTRACT

PROBLEM TO BE SOLVED: To provide an information processing terminal and a
contents acquisition system capable of selecting peripheral equipments
corresponding to contents.

SOLUTION: An Internet server 202 is connected to the Internet 201 and a
portable terminal 206 acquires the contents through a WAP gateway 205. The

contents can be acquired similarly from a WAP server 204 connected to a WAP network 203 as well. In order to reproduce video images and sound, etc., stored in files for constituting the contents, an identifier for indicating the characteristics of the files is incorporated in the contents. The portable terminal 206 registers the peripheral equipment corresponding to the identifiers, selects the optimum peripheral equipment corresponding to extracted identifiers and transmits the file of the contents to them to perform reproduction. It is possible that a server for performing service for selecting the optimum peripheral equipment is present on a network, selects those pieces of the equipment and presents recommended equipments.

19/9/4

06577618    **Image available**
SIGNED HYPERTEXT RECORDING MEDIUM, CONSTITUTING METHOD, AND METHOD AND DEVICE FOR VERIFICATION

PUB. NO.:       2000-163409  [JP 2000163409 A]
PUBLISHED:      June 16, 2000 ( 20000616)
INVENTOR(s):    FUJIMURA TAKASHI
APPLICANT(s):   NIPPON TELEGR & TELEPH CORP (NTT)
APPL. NO.:      11-225162  [JP 99225162]
FILED:          August 09, 1999 (19990809)
PRIORITY:       10-228233 [JP 98228233], JP (Japan), August 12, 1998
                (19980812)
INTL CLASS:     G06F-017/21; G06F-012/00; G06F-017/30; G09C-001/00;
                H04L-009/32

ABSTRACT

PROBLEM TO BE SOLVED: To obtain a recording medium for a signed hypertext which makes it possible to define various authorities to change respective properties in a document by providing a property definition part with a restriction condition definition part which defines the values of properties , the identifier of a link -destination document, and restriction conditions for the like-destination document .

SOLUTION: The attribute definition part is provided with the restriction condition definition part which defines the values of the properties , the identifier of the link - destination document, and the restriction conditions for the link-destination document. For example, a signed document 200 consists of a schemer ID 201, a document ID 202, an issuer ID 203, a body 204, and the sign 205 of the issuer for them. The body 204 consists of ≥0 property definition parts 206 and 207. Further, those property definition parts 206 and 207 are defined by a group of an attribute name and a value or a group of the attribute name, the value, a link -destination document ID , and the restriction condition definition part . The restriction condition definition part defines the structure of the link-destination document and the restriction conditions for limiting the attribute values.

19/9/7

06097801    **Image available**

DOCUMENT MANAGEMENT METHOD, DOCUMENT RETRIEVAL METHOD AND DOCUMENT
RETRIEVAL DEVICE

PUB. NO.:      11-039320  [JP 11039320  A]
PUBLISHED:     February 12, 1999 ( 19990212)
INVENTOR(s):   YODA NOBUHISA
               TAKAGI SHIRO
               WATANABE HIROSHI
               KIDOKORO KAZUAKI
APPLICANT(s): TOSHIBA CORP
APPL. NO.:     09-189927  [JP 97189927]
FILED:         July 15, 1997 (19970715)
INTL CLASS:    G06F-017/30; G06F-012/00; G06F-017/21

ABSTRACT

PROBLEM TO BE SOLVED: To efficiently retrieve needed document and job and
to smoothly and efficiently execute various jobs that treat a document by
collecting document operation content of a user in a job, managing history
and adding how a **document** is used as an **attribute** .
SOLUTION: A **document** storing **part** 22 stores a document **id** that
uniquely specifies a document, a document name, the name who prepares the
document, preparing time and an address to a document body which are
mutually associated in one document unit. A job storing part 23 stores a
job id that uniquely specifies a job, a job name, a name of a person in
charge who performs the job and the content that is done in the job which
are mutually associated in one job unit. Job content stores a related
document id, the class of reference or preparation, operation time and a
comment that is freely set by a user. A history storing part 24 stores time
when a document operation is performed, a person in charge who performs the
document operation and the document id which are mutually associated in one
history unit.

19/9/8
DIALOG(R)File 347:JAPIO

05841268     **Image available**
FILE MANAGEMENT DEVICE AND ITS METHOD

PUB. NO.:      10-124368  [JP 10124368  A]
PUBLISHED:     May 15, 1998 ( 19980515)
INVENTOR(s):   HATANAKA MASAAKI
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:     08-276021  [JP 96276021]
FILED:         October 18, 1996 (19961018)
INTL CLASS:    [6] G06F-012/00; G06F-012/00
JAPIO CLASS:   45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT
PROBLEM TO BE SOLVED: To make it possible to simultaneously register an
extension **attribute** in plural **file** servers by allowing respective file
servers to receive and register the extension **attribute** defined in these
**file** servers in common.

SOLUTION: A **file** server 12 has a **file** management part 16, an **attribute**
definition information management part 17 and a communication part 18 and
the management part 16 has a reference attribute management part 19, a
contents management part 20 and an extension attribute management part 21.
The management part 17 manages information to be used for defining an
extension attribute. In the case of registering attribute definition

information, a user name and a password are inputted and connected to a prescribed server 12. Then a transaction is started, attribute information is specified and an attribute definition registering operation request is outputted. Whether any trouble is included in the attribute definition information or not is discriminated in accordance with the request, and when there is no trouble, the management **part** 17 allocates new **attribute ID** to the **attribute** definition information and permanently stores the specified attribute definition information in the management part 21.


19/9/12
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

05041797     **Image available**
DELETED FILE MANAGING SYSTEM

PUB. NO.:      07-334397  [JP 7334397  A]
PUBLISHED:     December 22, 1995 ( 19951222)
INVENTOR(s):   TAMURA HIDEHIRO
APPLICANT(s):  NEC CORP [000423] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:     06-155335  [JP 94155335]
FILED:         June 14, 1994 (19940614)
INTL CLASS:    [6] G06F-012/00
JAPIO CLASS:   45.2 (INFORMATION PROCESSING -- Memory Units)

                              ABSTRACT
PURPOSE: To effectively utilize a filing device without increasing danger to disable the recovery of a deleted file so much concerning the deleted file managing system for erasing the file by making invalid an identifier in a correspondent file label.

CONSTITUTION: File labels 22-A to 22-D corresponding to respective files A to D **contain** the **identifiers** showing validity/invalidity and the **date** and time of deletion. When the **size** of a **file** to be prepared is larger than the size of an unused area in the case of preparing that file, a request discrimination control part 12 changes the deleted invalid files, which identifiers show invalidity, into the unused areas successively from the file with the oldest data and time deletion until the size of the unused area gets larger than the **size** of the **file** to be prepared, and the unused area enough for preparing the file is prepared.

19/9/13
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

04978333     **Image available**
CONTROLLER FOR PRINTING PHOTOGRAPHIC FILM

PUB. NO.:      07-270933  [JP 7270933  A]
PUBLISHED:     October 20, 1995 ( 19951020)
INVENTOR(s):   ANSHITA MASABUMI
               OGAWA MINORU
               HARAGUCHI TAKESHI
APPLICANT(s):  KONICA CORP [000127] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:     06-063886  [JP 9463886]
FILED:         March 31, 1994 (19940331)
INTL CLASS:    [6] G03B-027/46
JAPIO CLASS:   29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
               Microprocessers)

ABSTRACT
PURPOSE: To make the printing operation of photographic film in which a different printing size coexists, efficient.
CONSTITUTION: Cartridge ID being cartridge information, film ID being film information, the frame number of the film , printing size information, exposure condition, previously given container ID /and cartridge housing position information are read and stored from the films of all cartridges in all containers prior to the printing process, and the stored information is classified for every printing size and is stored individually onto the memory of a storing part 22. Then, the printing of a printer is controlled based on the information for each printing size.


19/9/14
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

04876147      **Image available**
FILE HISTORY MANAGING DEVICE

PUB. NO.:       07-168747  [JP 7168747  A]
PUBLISHED:      July 04, 1995 ( 19950704)
INVENTOR(s):    ENOKI NOBUYUKI
APPLICANT(s):   MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company
                or Corporation), JP (Japan)
APPL. NO.:      05-315135  [JP 93315135]
FILED:          December 15, 1993 (19931215)
INTL CLASS:     [6] G06F-012/00
JAPIO CLASS:    45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT
PURPOSE: To efficiently retrieve a file to which reference/correction is applied finally even when the number of files is increased and scattered by managing the file in hierarchical structure.

CONSTITUTION: A file managing part 101 updates a file information storage part 102 on which the file identifier of the file , attribute information, and plural pieces of data are recorded, and simultaneously, a file history managing part 103 which manages a file history storage part 104 on which a corresponding file identifier is recorded in order of time is provided. The identifier of the file to which the reference/correction is applied finally is stored in the file history storage part 104, and it is possible to find out the file to which the reference/correction is applied finally only by referring to the file history storage part 104 even when the file is scattered.
? t19/9/15,17

19/9/15
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

04700612      **Image available**
WORD PROCESSOR

PUB. NO.:       07-021212  [JP 7021212  A]
PUBLISHED:      January 24, 1995 ( 19950124)
INVENTOR(s):    HAMADA HIDETOSHI
APPLICANT(s):   FUJI XEROX CO LTD [359761] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:      05-166929  [JP 93166929]
FILED:          July 06, 1993 (19930706)
INTL CLASS:     [6] G06F-017/30; G06F-017/27
JAPIO CLASS:    45.4 (INFORMATION PROCESSING -- Computer Applications); 45.2
                (INFORMATION PROCESSING -- Memory Units)

ABSTRACT
PURPOSE: To remove a matching processing between the dictionaries and to reduce storage capacity by unitarily managing an analysis dictionary and a retrieval dictionary.

CONSTITUTION: A dictionary 13d provided with **attribute** information **including** a **document** **identifier** and with data for morpheme analysis in accordance with a headword, a morpheme analysis part 13c extracting a word by referring to the dictionary 13d from a designated document, a registration **part** 13b registering the **document** **identifier** into the **document** **attribute** column of the headword in the dictionary 13d, which corresponds to the extracted word, and a retrieval part 13a retrieving the document identifier including the headword by referring to the headword of the dictionary 13d from the designated word are provided.


19/9/17

03313578   **Image available**
DOCUMENT SECURITY PROTECTING DEVICE

ABSTRACT
PURPOSE: To enhance the safety of a document by designating whether the security protection exists or not at every prepared document.

CONSTITUTION: An implementor of a document prepares the document by using his own work stations 12-1 - 12-N, and at the time of saving this prepared document, an identifier ID of the implementor is added as an **attribute** of the **document** . Document data is stored in a document data store **part** 46, and the **ID** is stored in a **document** attribute data store part 47 by coordinating it to its document. In the case it is desired to execute security designation of this document, when an operator aligns a cursor with a mark 53 of 'exist' and clicks it by operating a mouse 21, the security designation of this document is executed. Also, in the case a condition of coincidence of the identifier ID is not satisfied, as for that which is designated as a security document, its electronic copying is inhibited. In such a way, the safety of the document can be enhanced.
?

25/9/5

04445319      **Image available**
DATA BASE SYSTEM

ABSTRACT
PURPOSE:  To  provide a data base system which speedily makes access to the
data of a complicated structure where the information structure of the real
world is directly reflected by means of an index.

CONSTITUTION: A data base 1 where reference can be executed between data is
provided.  A  file management  part  2 adds the  identifiers  6a-6n of data
required  for  the  access  operation  of  a   file  at respective data and
 attributes  7a-7b as indexes 8a-8n, and holds the identifier 6i of data of
the   file  and the  attribute  7n of data in the  file , correlating them
with  each  other, as a new index 10 for directly retrieving the identifier
6i  of data in a different file 4i where the value of the  attribute  7n of
data  in  the  file   4n  is  set  to  be a retrieval  key  9. A data base
management  part  3 operates  the new index 10 so as to make access to the
file  when  an  inquiry for requesting the identifier of different data for
the value of the attribute of data is given.

? show files;ds;t11/9/1;t11/5,k/2;t11/69,k/3-8
File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)
        (c) 2006 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2006/ 200632
        (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060803,UT=20060727
        (c) 2006 WIPO/Univentio
File 350:Derwent WPIX 1963-2006/UD=200651
        (c) 2006 The Thomson Corporation

Set      Items   Description
S1           7   AU='KAUFFMAN S'
S2          14   AU='KAUFFMAN S V'
S3          18   AU='KAUFFMAN STEVEN V':AU='KAUFFMAN STEVEN VICTOR 6762 END-
                 MOOR DRIVE SAN'
S4          25   S1:S3
S5     1990990   SEARCH?
S6     1456357   KEY?????? ? OR IDENTIFY? OR IDENTIFI?
S7       20047   KEYWORD?
S8       86217   S5(100N)S6:S7
S9           2   S4 AND S8
S10          8   S4 AND S6:S7
S11          8   S9:S10

 11/9/1      (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07567200    **Image available**
METHOD AND SYSTEM FOR SPECIFYING SELECTION OF CONTENT SEGMENTS STORED IN
DIFFERENT FORMATS

PUB. NO.:      2003-061041  [JP 2003061041  A]
PUBLISHED:     February 28, 2003 (20030228)
INVENTOR(s):   KAUFFMAN STEVEN V
               RICHTER RAINER
               DOONG JANE K
               LEWIS LARA M
               YEH CHIUNN-SHYONG
               YING JOHN
APPLICANT(s):  INTERNATL BUSINESS MACH CORP (IBM)
APPL. NO.:     2002-104773  [JP 2002104773]
FILED:         April 08, 2002 (20020408)
PRIORITY:      01 829676 [US 2001829676], US (United States of America),
               April 09, 2001 (20010409)
INTL CLASS:    H04N-005/91; G11B-027/032; H04N-005/76; H04N-005/78

                        ABSTRACT
PROBLEM TO BE SOLVED: To provide a method, system and program product for
specifying a selection of content segments stored in different formats.

SOLUTION: This invention involves receiving specification of a plurality of
portions of first content stored in a first format, the specification
 identifying the beginning and ending frames for each portion, and
building a list comprising a starting mark and ending mark for each
selected portion of first content the list for use in accessing
corresponding portions of the same content stored as second content in a
second format.

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 11/5,K/2      (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00380326
Method for sharing common values implicitly among communicating generative
    objects.
Verfahren zur impliziten Verteilung von gemeinsamen Werten zwischen
    mitteilenden aktiven Objekten.
Methode de partage implicite de valeurs communes entre des objets actifs
    communicants.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Beitel, Bradley James, 17222 Skyline Blvd., Woodside, CA 94062, (US)
  Gordon, Robert Douglas, 1321 Lennox Way, Sunnyvale, CA 94087, (US)
  Hao, Ming Chou, 28060 Story Hill Lane, Los Altos Hills, CA 94022, (US)
   Kauffman, Steven Victor , 6762 Endmoor Drive, San Jose, CA 95119, (US)
  Obermarck, Ronald Lester, 584 Marlin Court, Redwood City, CA 94065, (US)
  Sherman, Arthur Michael, 15920 La Escuela Court, Morgan Hill, CA 95037,
    (US)
  Thieme, Lynne Carol, 111 Hedge Road, Menlo Park, CA 94025, (US)
  Trivett, Gene Edward, 540 Wayside Road, Portola Valley, CA 94025, (US)
  Trivett, Lynn, 540 Wayside Road, Portola Valley, CA 94025, (US)
LEGAL REPRESENTATIVE:
  Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
    Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date):   EP 360769  A2   900328 (Basic)
                               EP 360769  A3   920826
APPLICATION (CC, No, Date):   EP 89850239 890724;
PRIORITY (CC, No, Date): US 246472 880919
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-009/40; G06F-015/40;
CITED PATENTS (EP A): US 4736321 A
CITED REFERENCES (EP A):
  IEEE TRANSACTIONS ON COMPUTERS. vol. 37, no. 8, August 1988, NEW YORK US
    pages 930 - 944; R. BISIANI: 'Multilanguage Parallel Programming  of
    Heterogeneous Machines'
  IEEE EXPERT. vol. 3, no. 2, July 1988, NEW YORK US pages 60 - 68; S.HEUER
    ET AL: 'INVEST: An Expert System for Financial Investments'
  IBM TECHNICAL DISCLOSURE BULLETIN. vol. 28, no. 10, March 1986, NEW YORK
    US pages 4224 - 4227; 'Message interface among concurrent processes
    using an abstract data type';

ABSTRACT EP 360769 A2
    A method for synchronizing common values in a distributed system, at
    least one node of which is a cyclic, rule-based, object-sensitive
    production system. Values altered in one part of the system are
    implicitly rather than explicitly communicated and processed to and from
    the rule-based node. All communications to the rule-based node of common
    values changed by the nonrule-based nodes are by way of a list
    independent of and concurrently with any procedural request of the
    rule-based node, there being no necessary relation between the list
    contents and the procedural request.   (see image in original document)
ABSTRACT WORD COUNT: 99

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application:      900328 A2 Published application (A1with Search Report
                             ;A2without Search Report)
  Examination:      900919 A2 Date of filing of request for examination:
                             900723
  Search Report:    920826 A3 Separate publication of the European or
                             International search report
  Change:           921125 A2 Representative (change)
  Withdrawal:       930804 A2 Date on which the European patent application
                             was deemed to be withdrawn: 930202
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:
Available Text  Language    Update      Word Count
      CLAIMS A  (English)   EPABF1        1049
      SPEC A    (English)   EPABF1        3793
Total word count - document A         4842
Total word count - document B            0
Total word count - documents A + B    4842

INVENTOR:
... US)
  Kauffman, Steven Victor ...

...SPECIFICATION typical control cycle of such a rule-based system
  comprises the cyclic steps of (i)  identifying  an executable subset of
  rules by matching the pattern parts of the rules to those...

...storage means modified or created during a preceding cycle, (ii)
  selecting a rule from the  identified  rules, and (iii) executing the
  action prescribed by the selected rule.
    Rule-based systems of...components. The objects expressing common
  values would include symptoms, engine components, menu and graphics
  screen  identifiers .
    Initially, a mechanic utilizing a remote terminal-based DPE utilizing
  an initial menu would input...

...expressing common values would be sent to the remote terminal-based DPE.
  This object would  identify , for example, a graphics screen displaying
  the auto engine part presumptively faulty. In the event...

...was requested, then another object expressing common values would be
  sent to the DPE terminal  identifying  a menu displaying questions to be
  answered by way of the mechanic's input. The...

...CLAIMS storage means for executing a control cycle, said control cycle
    comprising the steps of:
      (i)  identifying  an executable subset of rules by matching the
    pattern parts of the rules to those...

...storage means modified or created during a preceding cycle,
      (ii) selecting a rule from the  identified  rules, and
      (iii) executing the action prescribed by the selected rule;
      said method comprising the...
>>>Format 69 is not valid in file 348

 11/69,K/3      (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0014449163  - Drawing available
WPI ACC NO: 2004-640065/
XRPX ACC No: N2004-505856
Object processing method for e.g. electronic office document, involves
processing object by executing multiple processing tasks specified in
graphical user interface-generated processing script
Patent Assignee: INT BUSINESS MACHINES CORP  (IBMC)
Inventor: BENSON D E;  KAUFFMAN S V
Patent Family (1 patents,  1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 20040143597 | A1 | 20040722 | US 2003346339 | A | 20030117 | 200462 | B |

Priority Applications (no., kind, date): US 2003346339  A  20030117

**Patent Details**
Number          Kind  Lan  Pg  Dwg  Filing Notes

Alerting Abstract US A1
NOVELTY - A processing script specifying multiple processing tasks, is associated with the object. The script is located by locating the object, when a request for processing the object is received. The object is processed by executing the tasks, based on the specification in the script.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.a program product for processing object stored in data store; and

2.an object processing apparatus.

USE - For processing objects in data store such as spectrum of digital information, collection of scanned images, facsimiles, electronic office documents, XML files, HTML files, computer output, audio, video, multimedia and virtual reality.
ADVANTAGE - Performs reliable accessing of objects stored in the data store, rapidly in an optimized manner.
DESCRIPTION OF DRAWINGS - The figure is a block diagram of the content management system.
  12a-12c clients
  32 workflow server
  34 pre-defined workflow
  36a-36c workbaskets

Title Terms/Index Terms/Additional Words: OBJECT; PROCESS; METHOD; ELECTRONIC; OFFICE; DOCUMENT; EXECUTE; MULTIPLE; TASK; SPECIFIED; GRAPHICAL; USER; INTERFACE; GENERATE; SCRIPT

Class Codes
International Classification (Main): G06F-017/00

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05E; T01-F07; T01-N02B1A; T01-S03

...Inventor: KAUFFMAN S V

Original Publication Data by Authority


Inventor name & address:
... Kauffman, Steven Victor
Original Abstracts:
...content management system, with the object and script associated with one another by way of identifying the script in metadata stored in the system for the object. The script can be...


 11/69,K/4      (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0013650510  - Drawing available
WPI ACC NO: 2003-746539/
XRPX ACC No: N2003-598220
Computing device for retrieving digitally stored documents, sequentially retrieves stored documents, based on priority of prioritized attribute assigned to stored document
Patent Assignee: BUSINESS MACHINES CORP  (BUSI-N)
Inventor: KAUFFMAN S V
Patent Family (1 patents,  1 countries)
Patent                           Application
Number          Kind  Date      Number          Kind  Date      Update

US 20030172048 A1 20030911 US 200291885 A 20020306 200370 B

Priority Applications (no., kind, date): US 200291885 A 20020306

## Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 20030172048 | A1 | EN | 9 | 5 | |

Alerting Abstract US A1
NOVELTY - A processor assigns prioritized attribute such as the date the document is created or published, size of the document and the number of occurrences of a specific word or words, to a digital document (260) before storing in a database (220). The stored documents are sequentially retrieved according to the priority of the prioritized attribute of the stored document.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.stored document retrieving method; and

2.program storage device.

USE - For retrieving digitally stored document using wide area network, local area network, intranet, virtual private network and Internet.
ADVANTAGE - Efficiently retrieves the stored digital documents.
DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the computing device.
210 user terminal
215 text engine
220 database
225 sorting processor
260 document

Title Terms/Index Terms/Additional Words: COMPUTATION; DEVICE; RETRIEVAL; DIGITAL; STORAGE; DOCUMENT; SEQUENCE; BASED; PRIORITY; ATTRIBUTE; ASSIGN

## Class Codes
International Classification (Main): G06F-007/00

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4P; T01-J11D; T01-N03A2

Inventor: KAUFFMAN S V

Original Publication Data by Authority


Inventor name & address:
 Kauffman, Steven Victor ...
Original Abstracts:
...least one prioritized attribute assigned to the stored data. The stored data may include an identifier, and the at least one prioritized attribute may be encoded into the identifier. The stored data, means for assigning, and means for retrieving may be connected to and...


 11/69,K/5     (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0013568240  - Drawing available
WPI ACC NO: 2003-662571/200362
XRPX ACC No: N2003-528823
Asset class instance querying method in digital library involves processing query accessing asset object instances of asset name to determine instances

whose attribute object matches attribute value and satisfies search
predicate
Patent Assignee: INT BUSINESS MACHINES CORP  (IBMC)
Inventor:  KAUFFMAN S V ; ROBERTSON J D
Patent Family (2 patents,  1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 20030135492 | A1 | 20030717 | US 200253113 | A | 20020117 | 200362 | B |
| US 7035842 | B2 | 20060425 | US 200253113 | A | 20020117 | 200628 | E |

Priority Applications (no., kind, date): US 200253113   A  20020117

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 20030135492 | A1 | EN | 22 | 9 | |

   Alerting Abstract US A1
   NOVELTY - The asset object instances are provided for the attributes in
the provided asset classes. A query indicating an asset name, a search
predicate, an attribute operator and an attribute value are provided. The
query is processed, by accessing the asset object instances of the asset
name to determine the instances whose attribute object matches the
attribute value and satisfies the search predicate.
   DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

   1.a data querying system;

   2.an asset querying code; and

   3.a computer program.

   USE - Applicable in digital library.
   ADVANTAGE - Improves management of storage and relationship of
predetermined data in digital library. Allows definition of asset classes
with different data structures to accommodate different type of data.
   DESCRIPTION OF DRAWINGS - The figure shows the relationship between asset
and attributes and attribute values defined for asset.

Title Terms/Index Terms/Additional Words: CLASS; INSTANCE; METHOD; DIGITAL;
   LIBRARY; PROCESS; QUERY; ACCESS; OBJECT; NAME; DETERMINE; ATTRIBUTE;
   MATCH; VALUE; SATISFY; SEARCH

**Class Codes**
International Classification (Main): G06F-007/00
International Classification (+ Attributes)

| IPC | + Level | Value | Position | Status | Version |
|---|---|---|---|---|---|
| G06F-0017/30 | A | I | F | B | 20060101 |
| G06F-0007/00 | A | I | L | B | 20060101 |

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B1; T01-J05B4P; T01-S03

Inventor:  KAUFFMAN S V ...

Original Publication Data by Authority


Inventor name & address:
 Kauffman, Steven Victor ...

... Kauffman, Steven Victor
Claims:
...defined to have an attribute object comprising an external data object
and attribute object type  identifying  a type of the attribute object,
wherein the attribute object type indicates one of a plurality of different

data structure formats **searchable** through separate application programs, wherein the data structure formats include a multimedia file, a database object accessed through a database application program, and a text object accessed through a text **search** engine application program;providing an asset object for each instance of one asset class and...


11/69,K/6      (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0013101126  - Drawing available
WPI ACC NO: 2003-182398/200318
XRPX Acc No: N2003-143504
Video content segments selection specification method for multimedia industry, involves creating list comprising starting and ending marks for selected portions of video content stored in low resolution format
Patent Assignee: IBM CORP  (IBMC); INT BUSINESS MACHINES CORP  (IBMC)
Inventor: DOONG J K;  KAUFFMAN S V ; LEWIS L M; RICHTER R; YEH C; YEH C S; YING J
Patent Family (3 patents,  2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 20020146236 | A1 | 20021010 | US 2001829676 | A | 20010409 | 200318 | B |
| JP 2003061041 | A | 20030228 | JP 2002104773 | A | 20020408 | 200325 | E |
| JP 3726957 | B2 | 20051214 | JP 2002104773 | A | 20020408 | 200582 | E |

Priority Applications (no., kind, date): US 2001829676  A  20010409

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 20020146236 | A1 | EN | 18 | 7 | |
| JP 2003061041 | A | JA | 14 | | |
| JP 3726957 | B2 | JA | 20 | | Previously issued patent  JP 2003061041 |

**Alerting Abstract** US A1
NOVELTY - Specification **identifying** beginning and ending frames for portions of the video content stored in a low resolution format are received. A list comprising starting and ending marks for each of the selected portion of the video content is created, to access corresponding portions of the video content stored in high resolution format.
DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1.Computer program product for specifying selection of video content segments; and

2.Video content segments selection specification system.

USE - For specifying selection of video contents segments for digitization, cataloging, storage, access, retrieval and editing of video contents for news or entertainment programs in multimedia industry.
ADVANTAGE - By creating a list of starting and ending marks of selected portions of video content stored in low resolution format, the corresponding portions of the video content stored in high resolution format can be accessed. Hence an end-to-end solution for permitting fast access to video content is provided. Thereby, a high quality content stream suitable for televising is enabled.
DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the dual path video content management system.

Title Terms/Index Terms/Additional Words: VIDEO; CONTENT; SEGMENT; SELECT; SPECIFICATION; METHOD; INDUSTRIAL; LIST; COMPRISE; START; END; MARK; PORTION; STORAGE; LOW; RESOLUTION; FORMAT

Class Codes
International Classification (Main): H04N-005/76, H04N-005/91
 (Additional/Secondary): G11B-027/00, G11B-027/032, H04N-005/78

File Segment: EPI;
DWPI Class: T01; T03; W04
Manual Codes (EPI/S-X): T01-S02; T03-J; W04-H01C; W04-H05E

...Inventor:  KAUFFMAN S V
    ...NOVELTY - Specification  identifying  beginning and ending frames
for portions of the video content stored in a low resolution...

**Original Publication Data by Authority**


Inventor name & address:
 KAUFFMAN STEVEN V ...

... Kauffman, Steven V
Original Abstracts:
...of a plurality of portions of first content stored in a first format,
the specification  identifying  beginning and ending frames for each
portion, and building a list comprising a starting mark...
Claims:
...of a plurality of portions of first content stored in a first format,
the specification  identifying  beginning and ending frames for each
portion; andBuilding a list comprising a starting mark...


 11/69,K/7     (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0009967307  - Drawing available
WPI ACC NO: 2000-269592/200023
XRPX Acc No: N2000-201766
Object management system for digital library
Patent Assignee: INT BUSINESS MACHINES CORP  (IBMC)
Inventor: BAER W J; DOONG J K; HU J E;  KAUFFMAN S V ; LEWIS L M; PARRISH R
  E
Patent Family (1 patents,  1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 6035303 | A | 20000307 | US 199817400 | A | 19980202 | 200023 | B |

Priority Applications (no., kind, date): US 199817400   A  19980202

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 6035303 | A | EN | 14 | 6 | |

   Alerting Abstract US A
   NOVELTY - The object management system has a predetermined structure,
which includes connected object vault (210), digital library (270) and
structural type manager (220), for storing objects. The object vault stores
an object into the digital library based on the data in the structural type
manager and according to the structural type of the object.
   DESCRIPTION - The structural type manager and object vault are connected
to a Java/Digital library class module (230) comprising of Java classes
used to access the digital library. INDEPENDENT CLAIMS are also included
for the following:

   1.the storage of object in the object management system;

   2.and the computer program product for the object management system.

USE - For digital libraries. For storing and integrating object-oriented objects with a digital library.

ADVANTAGE - Simplifies indexing of objects in a storage layer. Ensures automatic storage of attributes of an object in a catalog in the form of a dictionary, more specifically **key** value dictionary (KVD), to provide efficient and simple retrieval of object. Uses a digital library for storing persistent objects. Recreates KVD using appropriate queries to extract **keys** and their values, and to recreate KVD from the blob. Flexible for object management in existing storage layers while requiring very few changes to existing software components and no changes to the existing stored data. Allows conventional accessing and processing of data with virtually no impact on performance.

DESCRIPTION OF DRAWINGS - The figure shows the object management system.
210 Object vault
220 Structural type manager
230 Java/Digital library class module
270 Digital library

Title Terms/Index Terms/Additional Words: OBJECT; MANAGEMENT; SYSTEM; DIGITAL; LIBRARY

**Class Codes**
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05G5; T01-F07; T01-J05B4; T01-S03

...Inventor: **KAUFFMAN S V**

Alerting Abstract ...attributes of an object in a catalog in the form of a dictionary, more specifically **key** value dictionary (KVD), to provide efficient and simple retrieval of object. Uses a digital library for storing persistent objects. Recreates KVD using appropriate queries to extract **keys** and their values, and to recreate KVD from the blob. Flexible for object management in...

**Original Publication Data by Authority**

Inventor name & address:
... Kauffman, Steven Victor
Original Abstracts:
...program is connected to the object vault. Objects to be stored are represented as a **Key** Value Dictionary (KVD) in which attributes, or metadata, relating to the objects are stored as **key** -value pairs. Objects are categorized as having different structural types in which certain attributes for objects having the same structural type are cataloged to facilitate indexing and **searching** for the objects. The structural type manager maintains a mapping between structural types and a subset of **keys** for the structural types as well as corresponding database references for cataloging the object attributes...

...storing objects in the digital library where the corresponding database references for the subset of **keys** are retrieved from the structural type manager. The values corresponding to the subset of **keys** are retrieved from the **Key** Value Dictionary and stored in the library catalog. The **Key** Value Dictionary is serialized and stored in the digital library, and a signature is returned...

...stored in the digital library is retrieved by locating the objected based on the cataloged **key** values. Preferably the persistent objects are Java programming language objects.

0009181765  - Drawing available
WPI ACC NO: 1999-105453/199909
XRPX Acc No: N1999-076184
Large digital objects storage and management method in client-server
digital library system - involves transmitting each of divided pieces of
digital object from client, and storing them in object server where
information regarding them is stored in centralised server
Patent Assignee: INT BUSINESS MACHINES CORP  (IBMC)
Inventor:  KAUFFMAN S V ; LEWIS L M; PARRISH R E
Patent Family (1 patents,  1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| US 5857203 | A | 19990105 | US 1996688116 | A | 19960729 | 199909 | B |

Priority Applications (no., kind, date): US 1996688116  A  19960729

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| US 5857203 | A | EN | 15 | 5 | |

Alerting Abstract US A
The digital object is divided into various pieces (28a,28b). A piece map
for storing piece  identification  information is generated. Each of the
pieces and piece map are transmitted from client and are stored in object
server. The information about each of the pieces and piece map is stored in
centralised server.
USE - For storage and management of documents, graphics, audio, video,
spreadsheets and word processing text in client-server digital library
system.
ADVANTAGE - Creates new piece effectively when piece is modified.
Supports sharing of pieces without having to replicate pieces thereby
saving storage space. Updates or changes pieces individually without
affecting storage of share pieces.

Title Terms/Index Terms/Additional Words: DIGITAL; OBJECT; STORAGE;
   MANAGEMENT; METHOD; CLIENT; SERVE; LIBRARY; SYSTEM; TRANSMIT; DIVIDE;
   PIECE; INFORMATION; CENTRE

**Class Codes**
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2; T01-M02A1B

Inventor:  KAUFFMAN S V ...

   Alerting Abstract ...digital object is divided into various pieces
(28a,28b). A piece map for storing piece  identification  information is
generated. Each of the pieces and piece map are transmitted from client and
...

**Original Publication Data by Authority**


Inventor name & address:
... Kauffman, Steven Victor
Claims:
...storing a piece map and said plurality of pieces, wherein said piece map
includes piece  identifying  information  identifying  each of said

plurality of pieces, whereby access to the pieces is based on the piece identification information in the piece map; anda centralized server having a parts table for storing said piece identifying information and piece location information identifying which one of said object servers each of said plurality of pieces is stored, and storing piece map identification information identifying said piece map and piece map location information identifying one of said object servers within which said piece map is stored.